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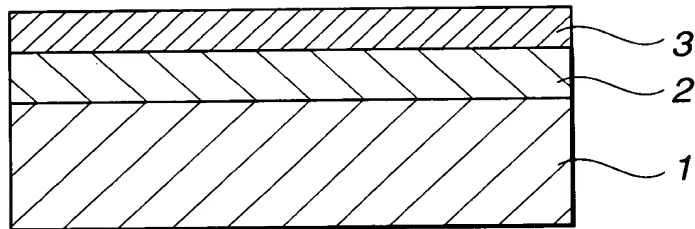
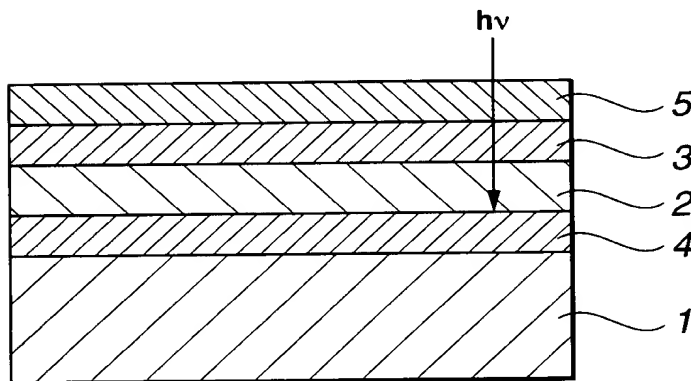
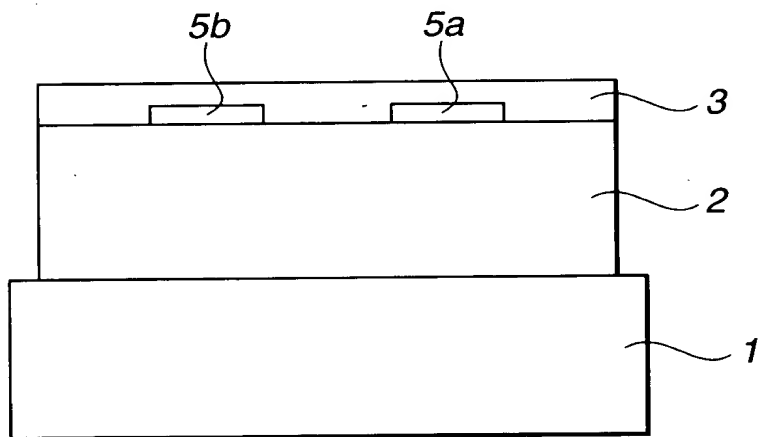


FIG.1A



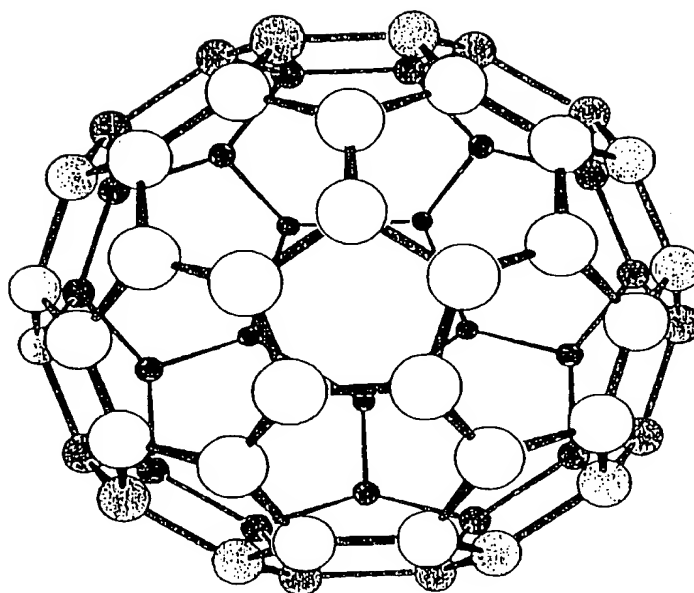
SOLAR BATTERY

FIG.1B



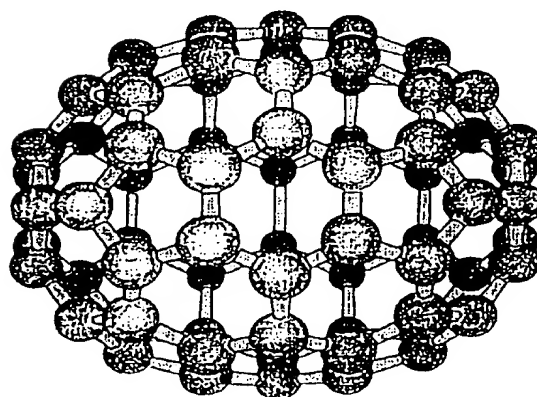
SENSOR STRUCTURE

FIG.1C



MOLECULAR STRUCTURE OF C₆₀

FIG.2



MOLECULAR STRUCTURE OF C₇₀

FIG.3

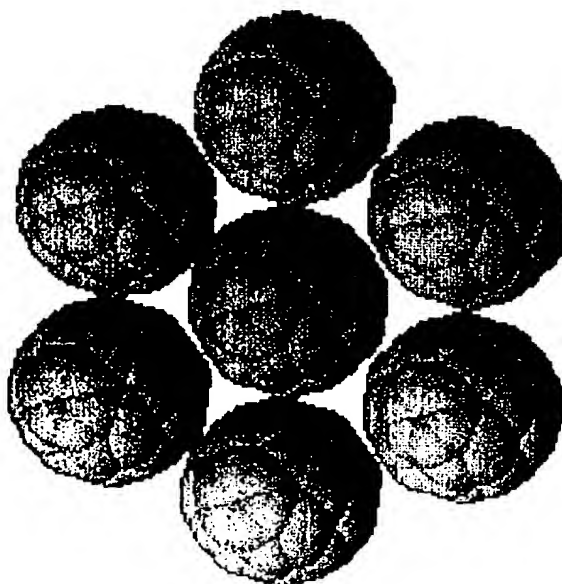


FIG. 4

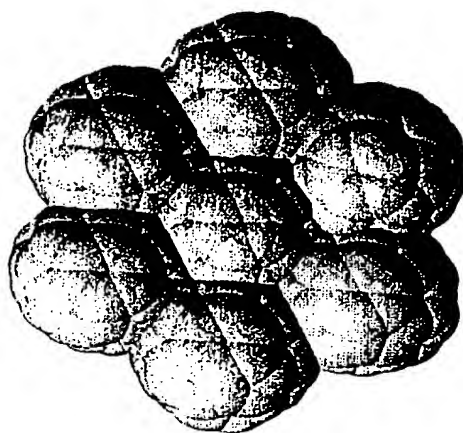


FIG. 6

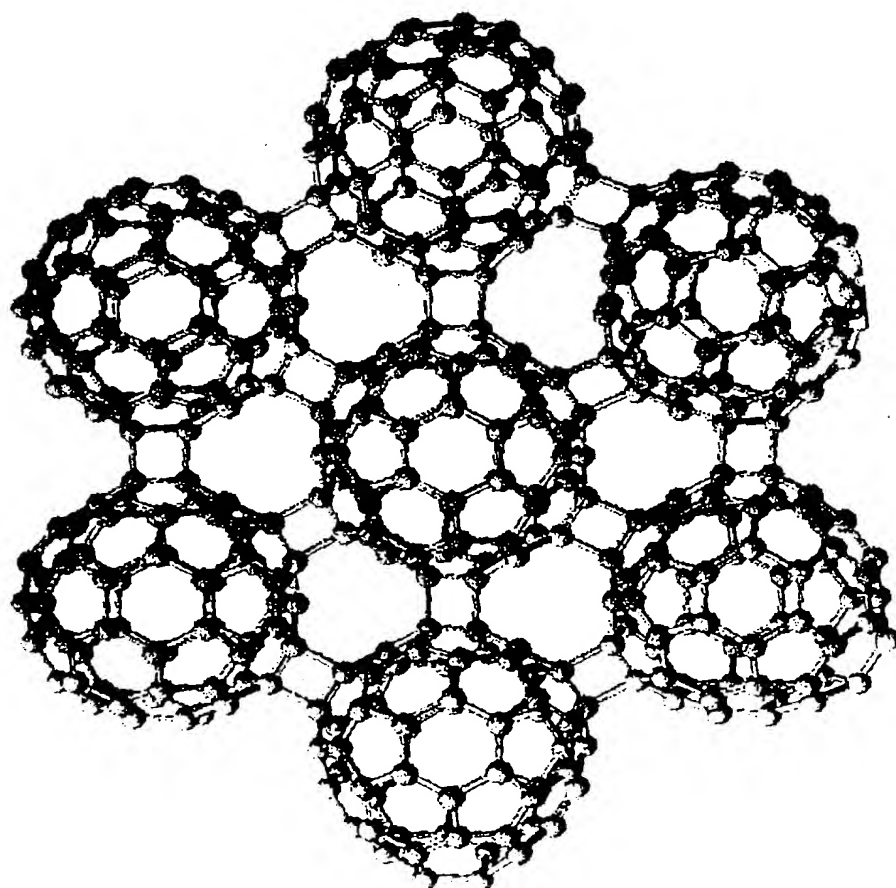
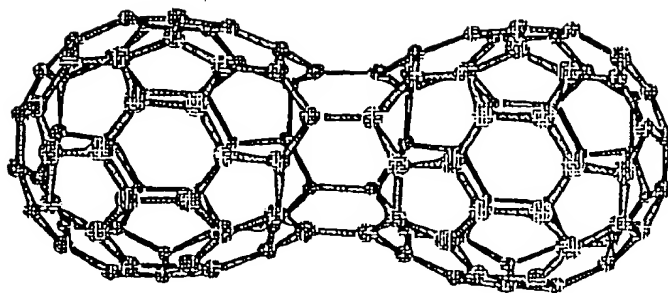
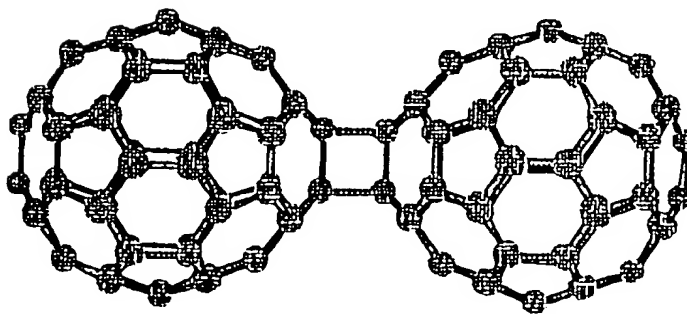


FIG.5



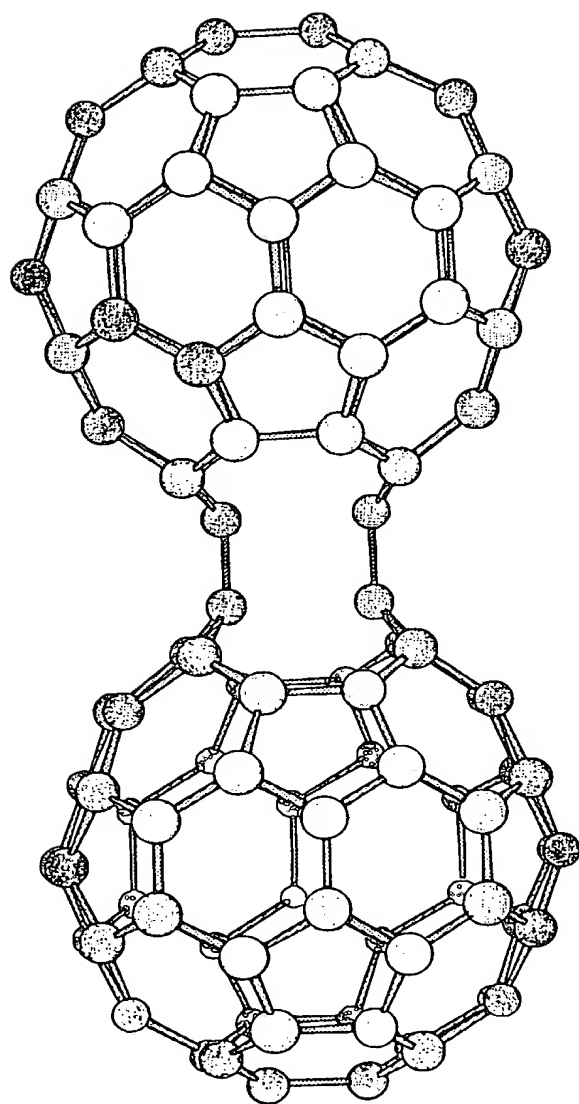
D_{2h} - SYMMETRICAL C_{116}

FIG.7



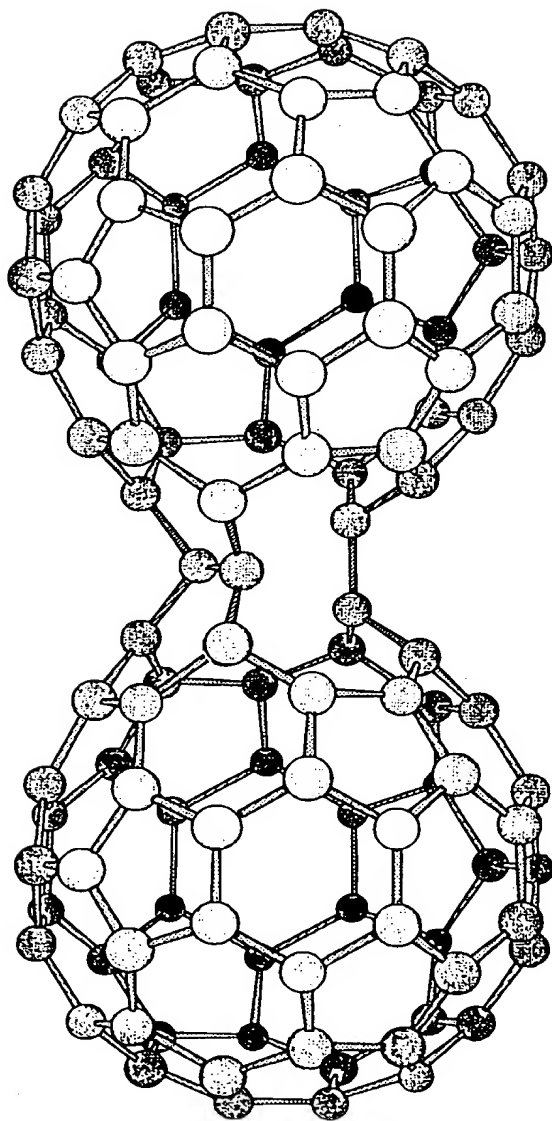
1, 2- $(C_{60})_2$ BY [2+2] CYCLIC ADDITION REACTION

FIG.8



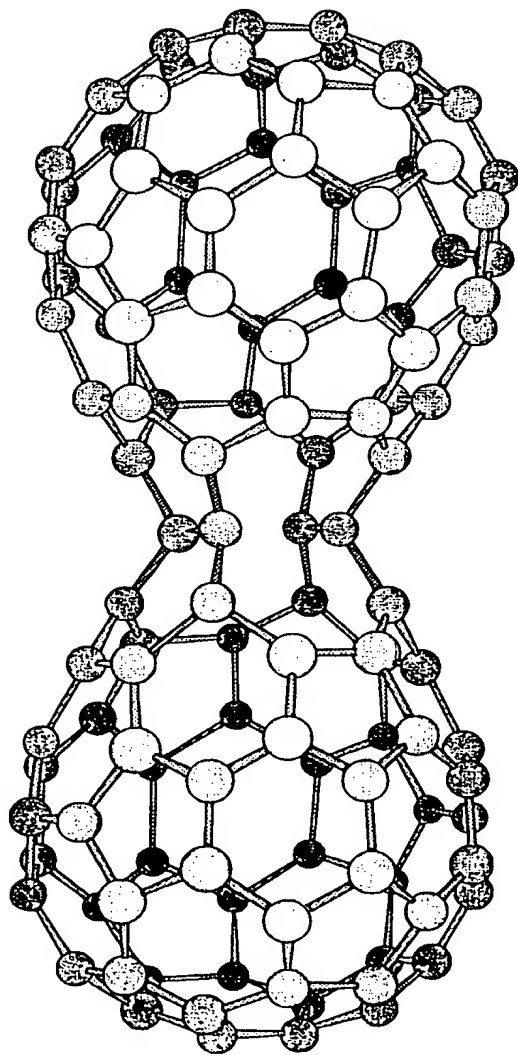
C₁₂₀ (b)

FIG. 9



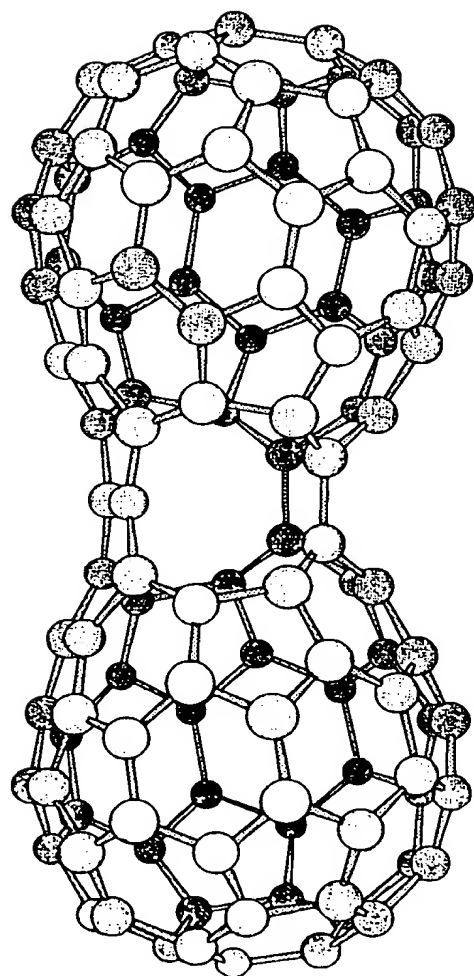
C₁₂₀ (c)

FIG.10



C₁₂₀ (d)

FIG.11



C₁₁₈

FIG.12

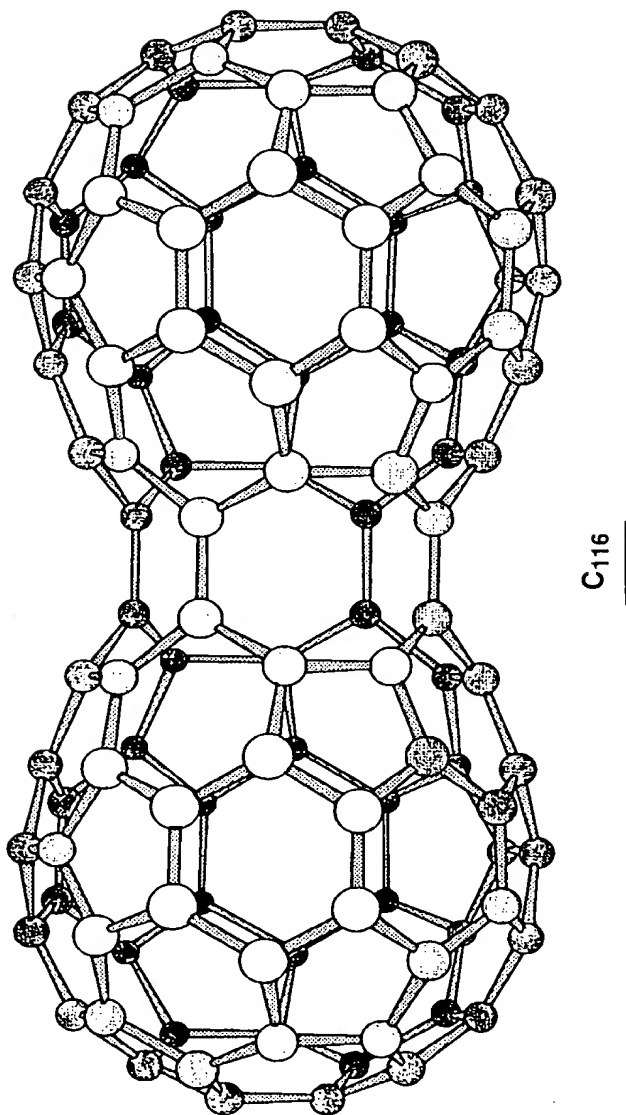


FIG.13

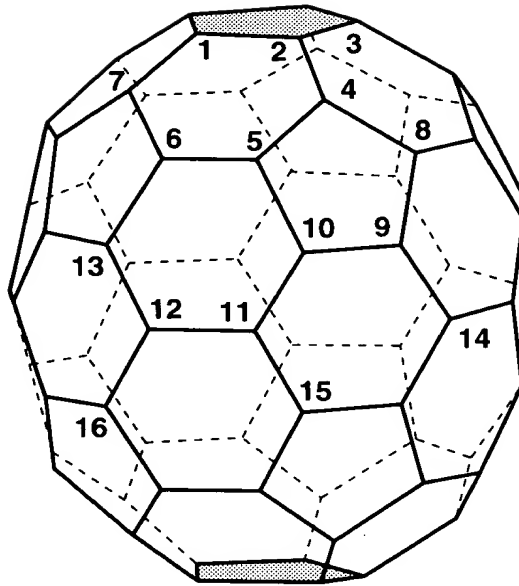
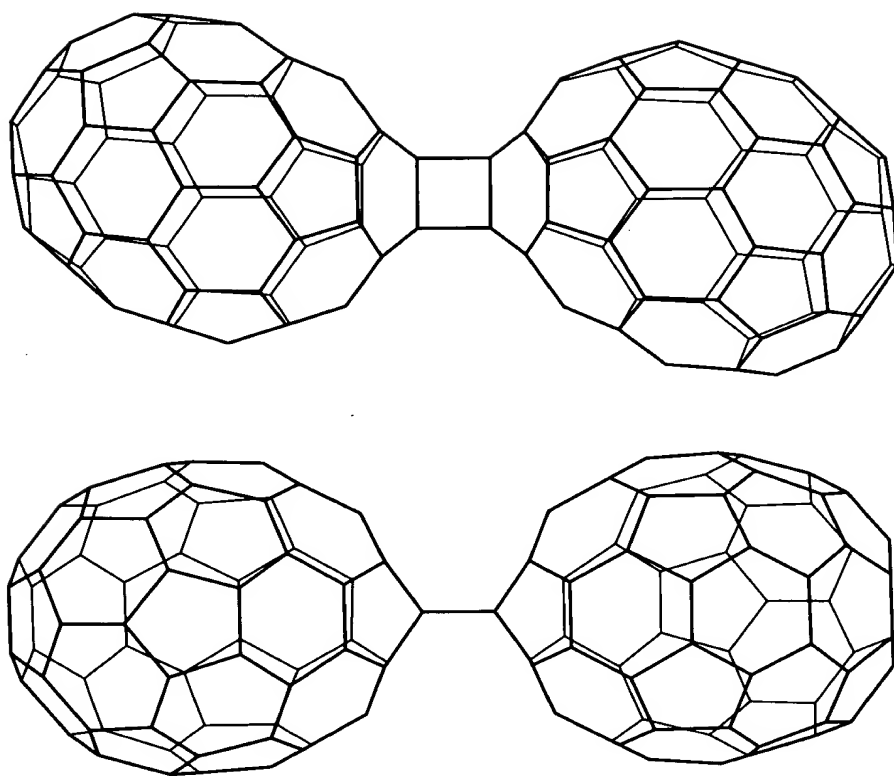
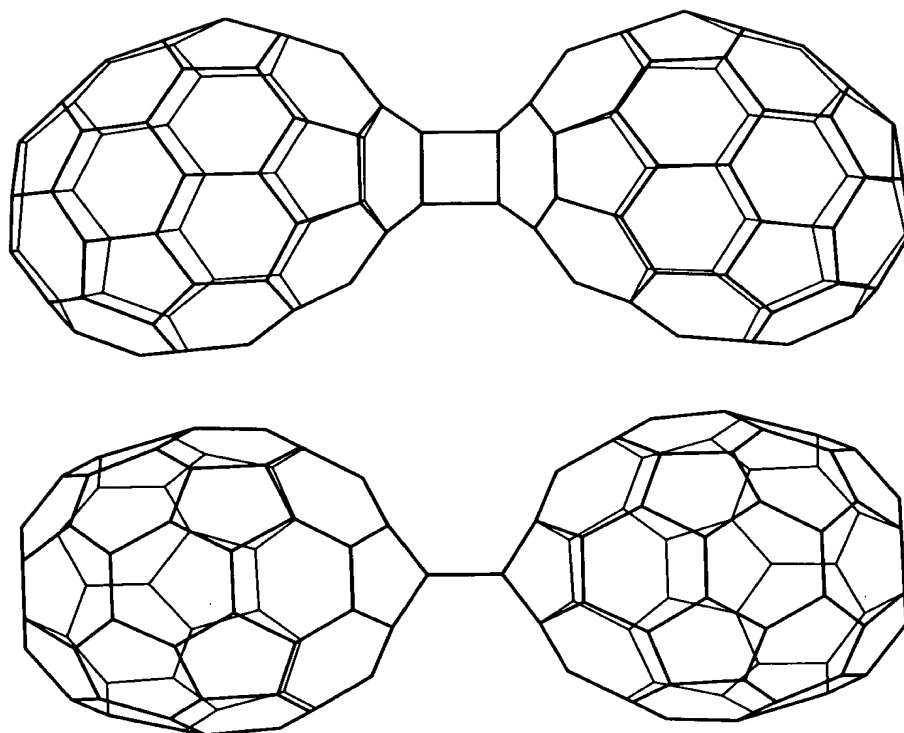


FIG.14



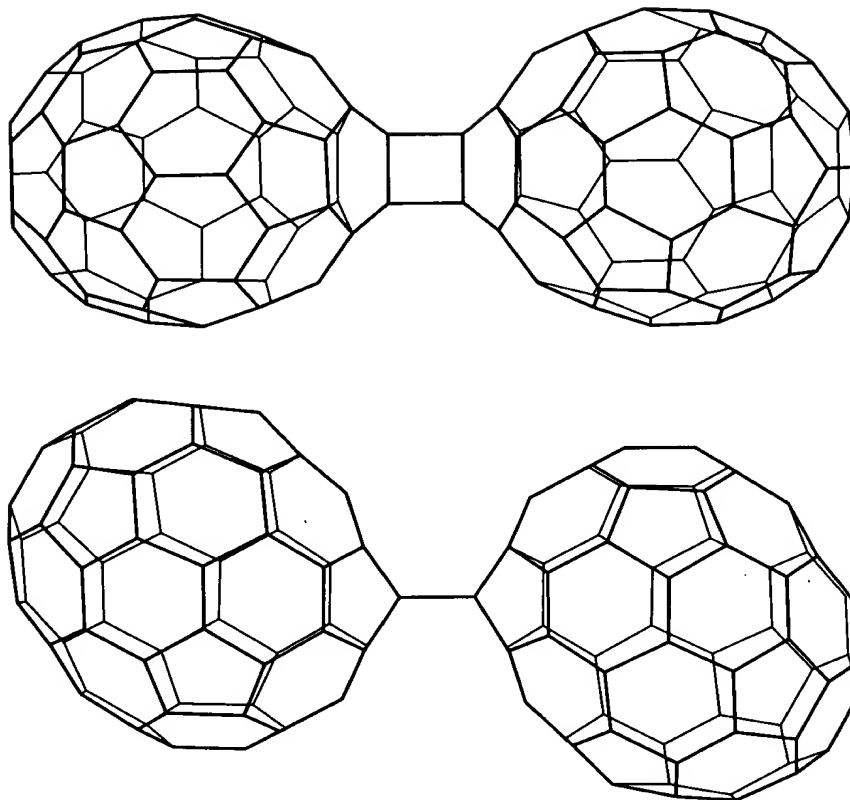
C₁₄₀ (a)

FIG.15



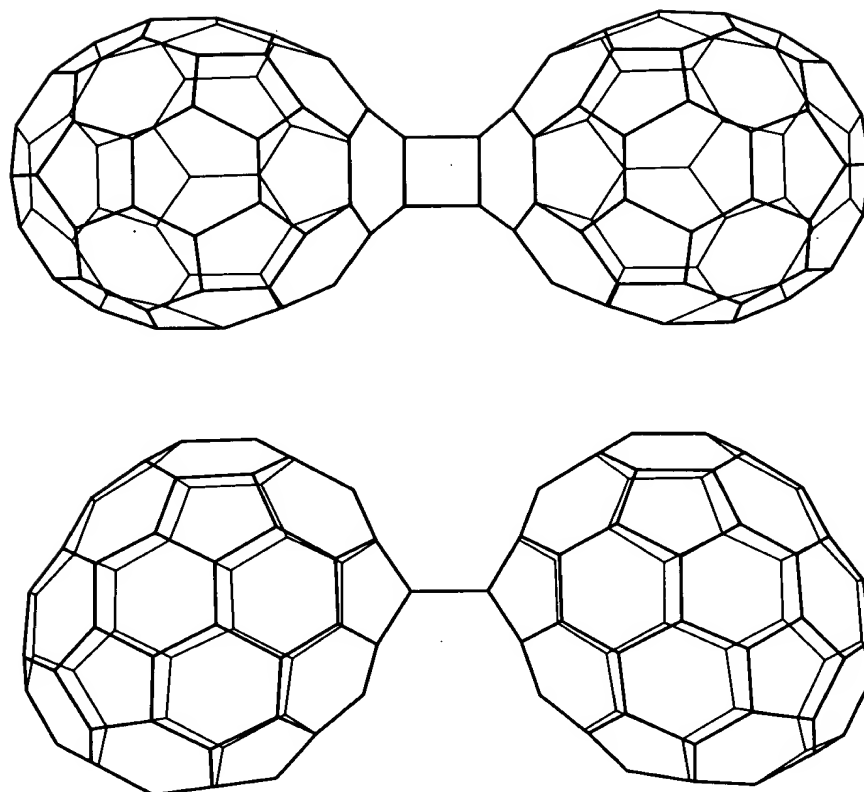
C₁₄₀ (b)

FIG.16



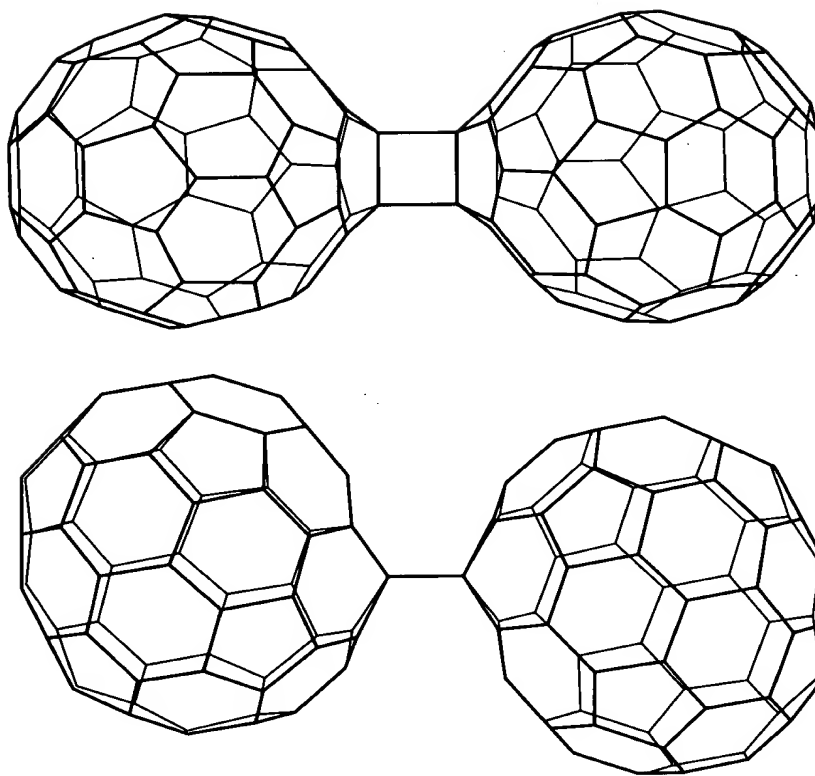
C₁₄₀ (c)

FIG.17



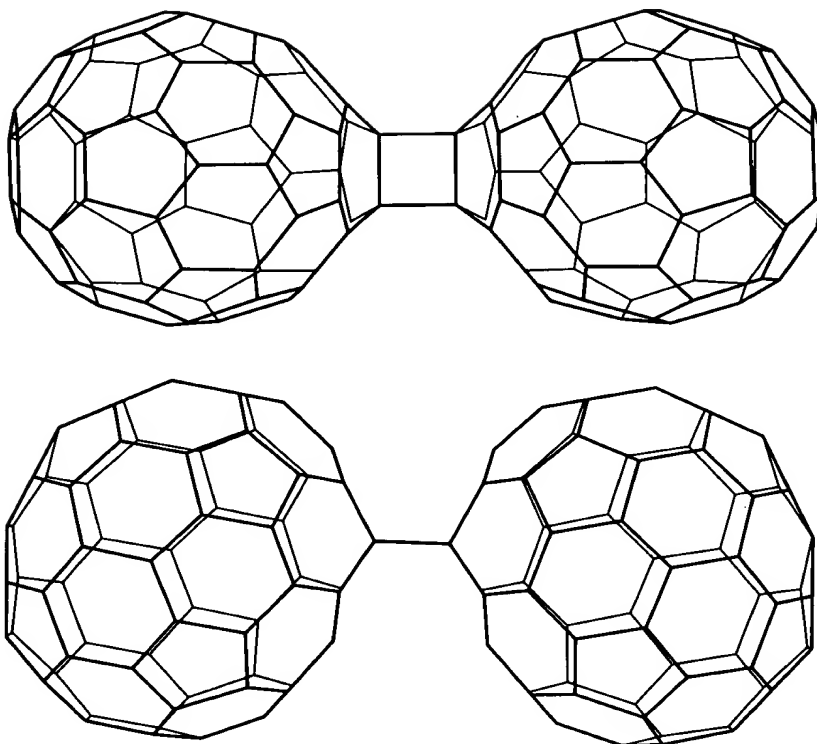
C₁₄₀ (d)

FIG.18



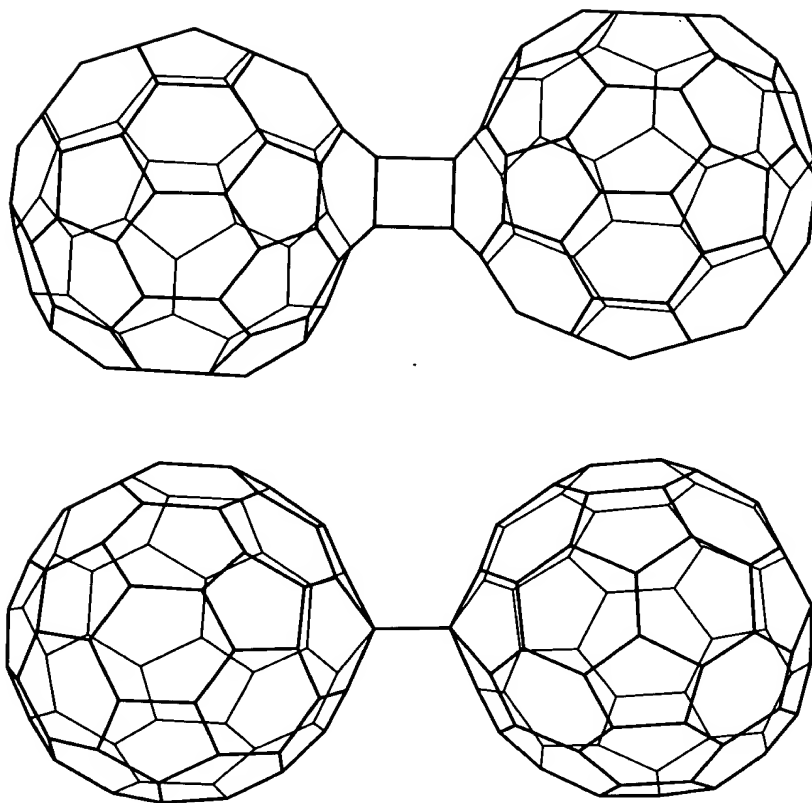
C₁₄₀ (e)

FIG.19



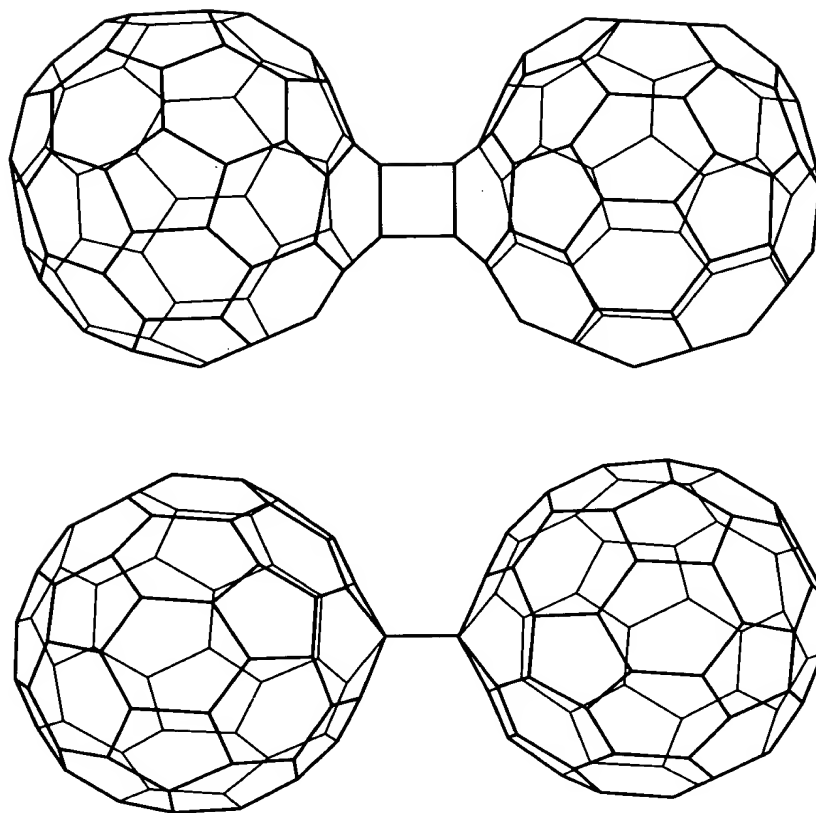
C₁₄₀ (f)

FIG.20



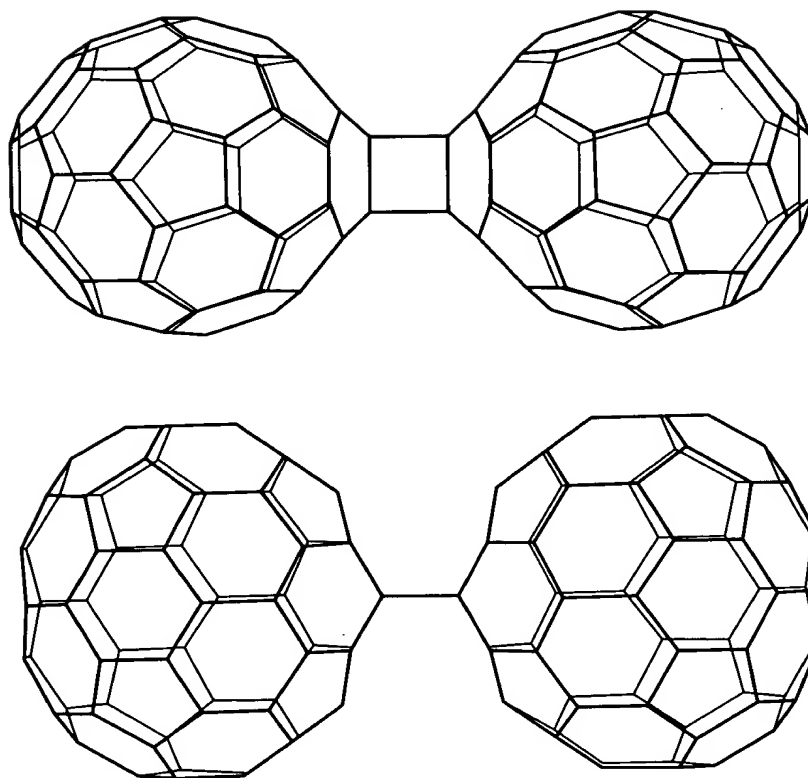
C₁₄₀ (g)

FIG.21



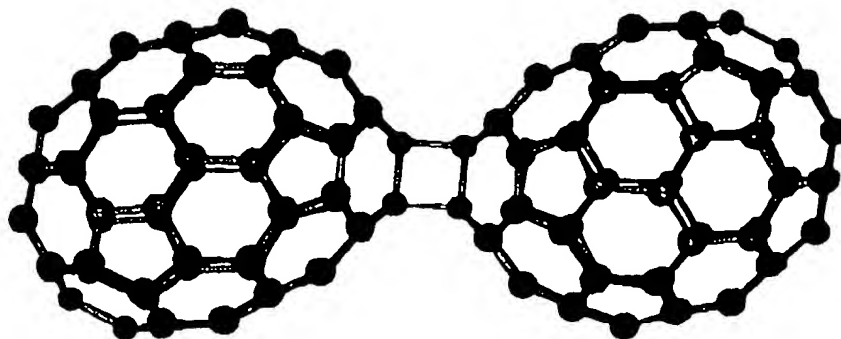
C₁₄₀ (h)

FIG.22



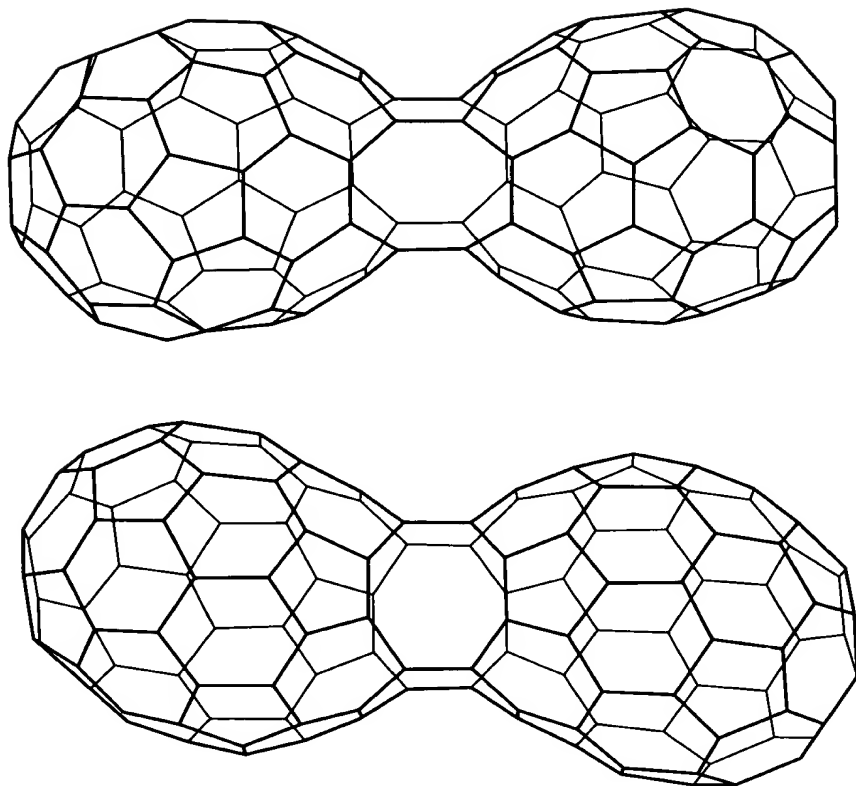
C₁₄₀ (i) (D_{2h} SYMMETRICAL)

FIG.23



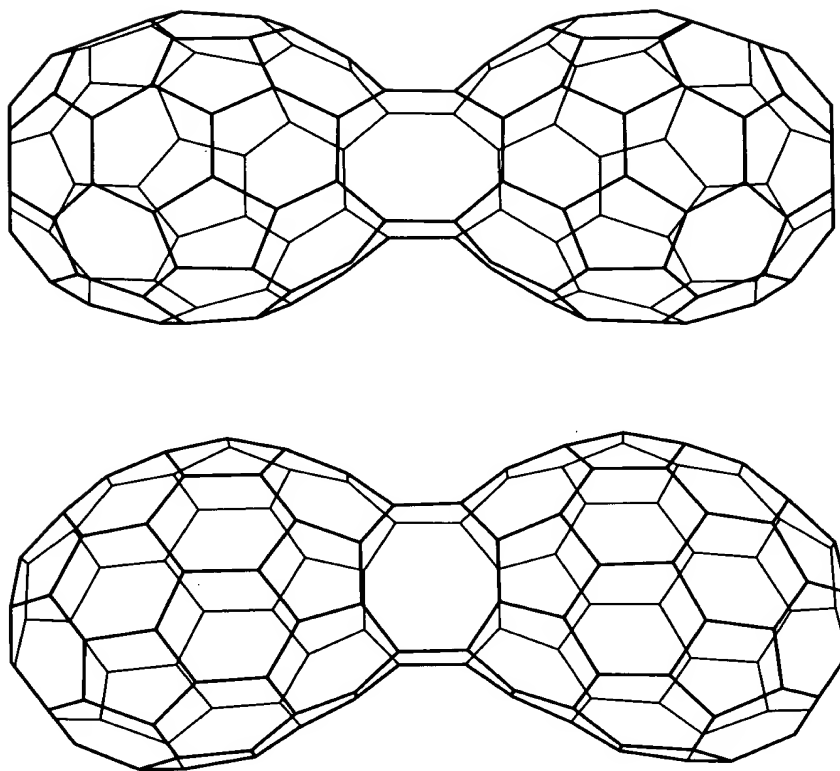
**MOST STABLE INITIAL POLYMER C₇₀
STRUCTURE BY [2+2] CYCLIC ADDITION REACTION**

FIG.24



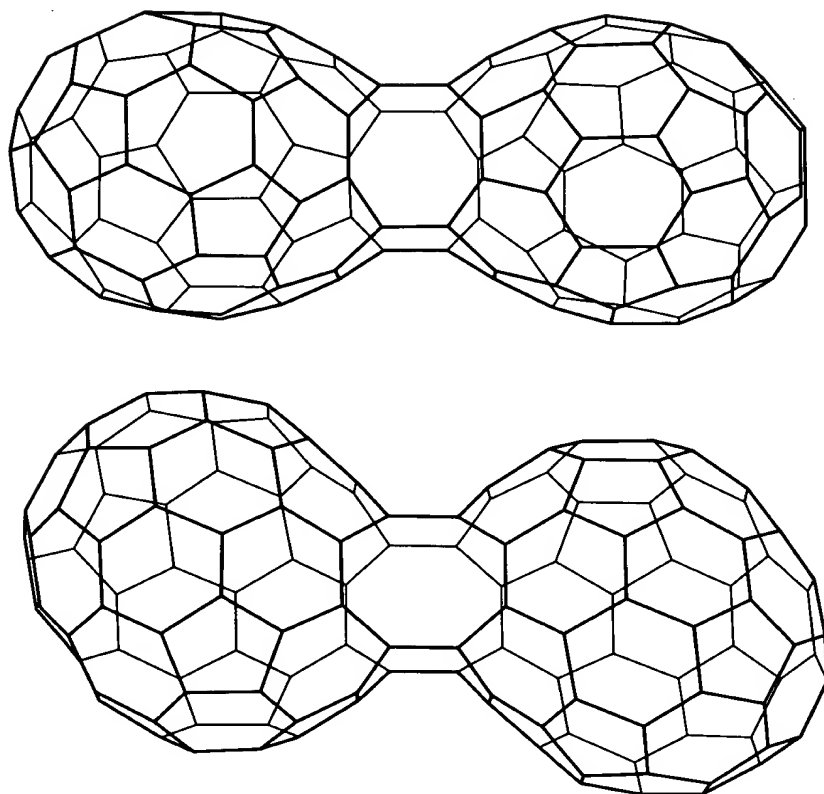
C₁₃₆ (a)

FIG.25



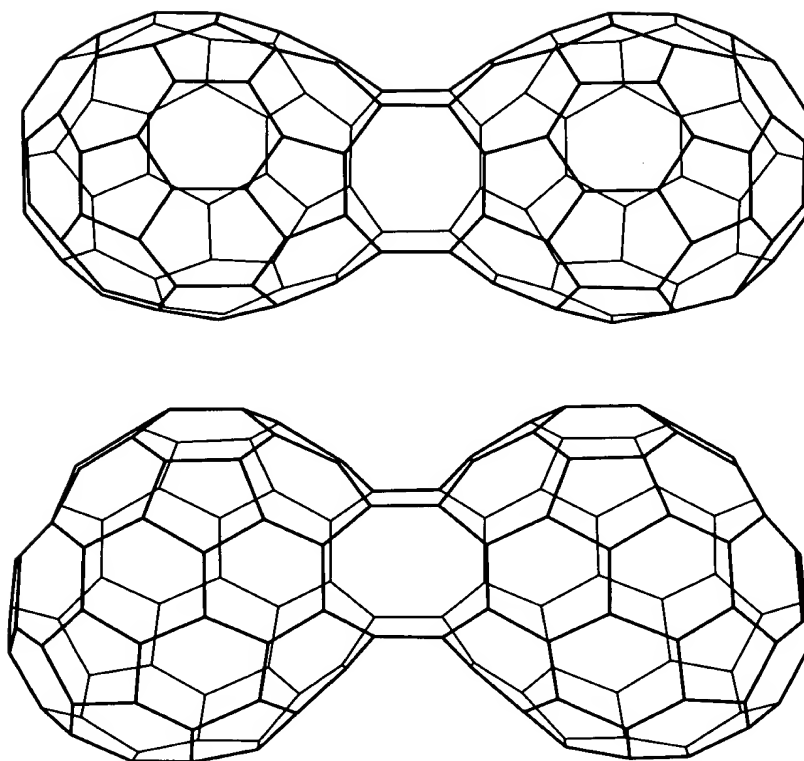
C₁₃₆ (b)

FIG.26



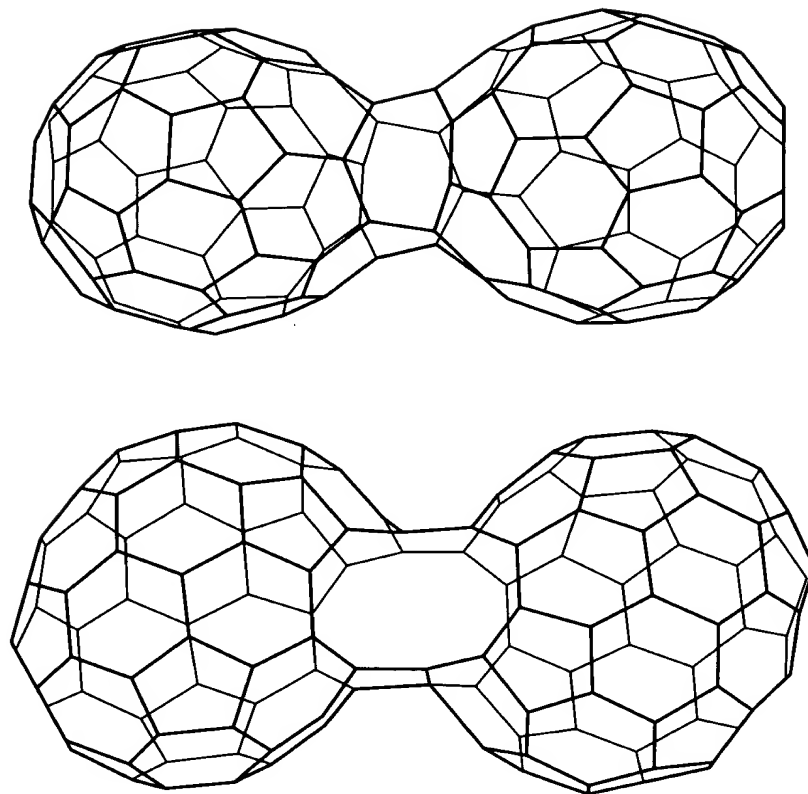
C₁₃₆ (c)

FIG.27



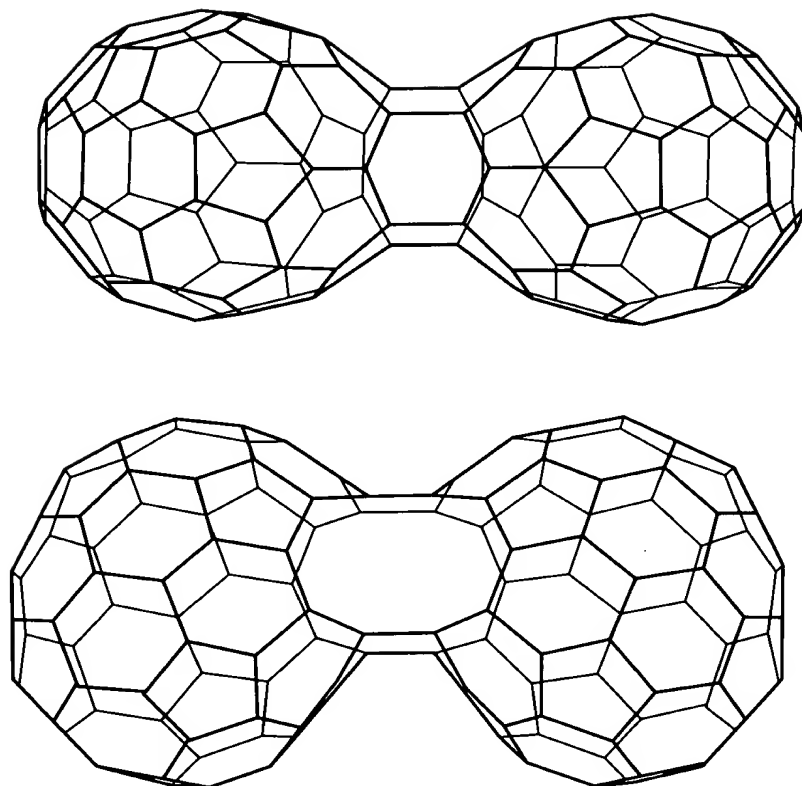
C₁₃₆ (d)

FIG.28



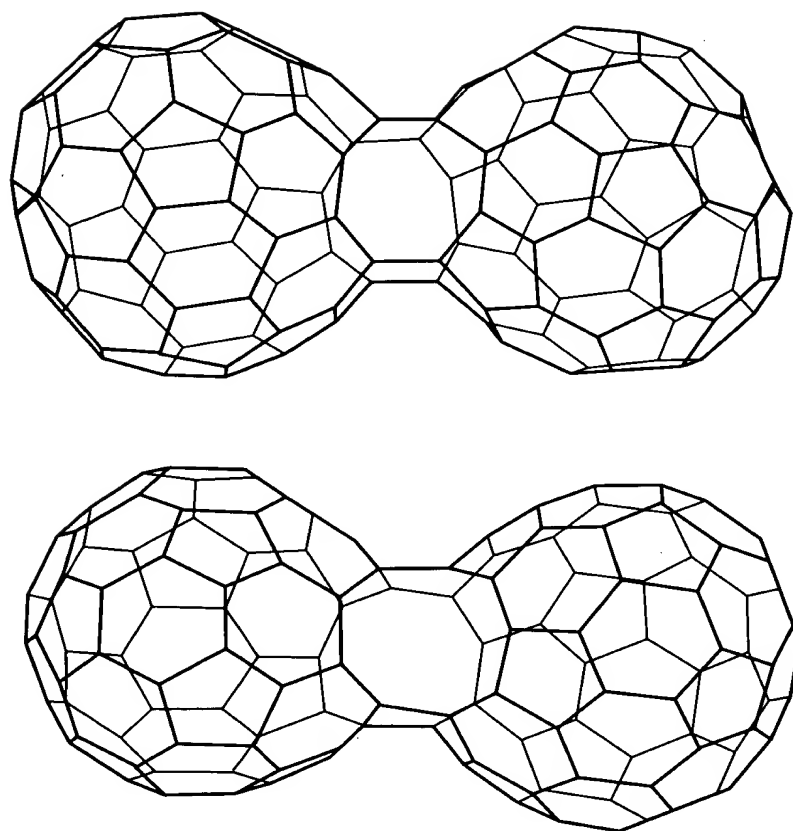
C₁₃₆ (e)

FIG.29



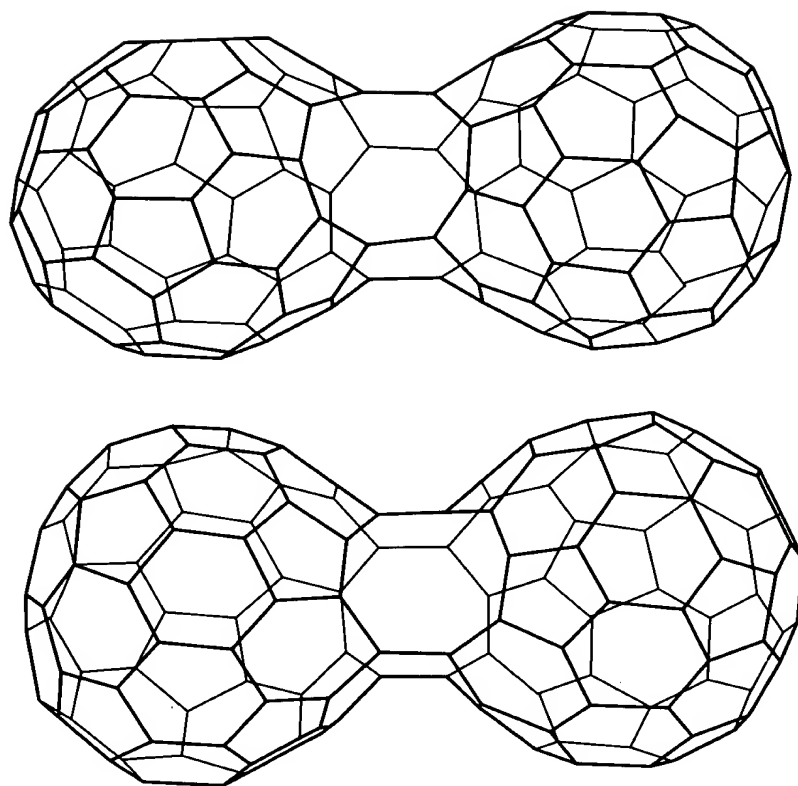
C₁₃₆ (f)

FIG.30



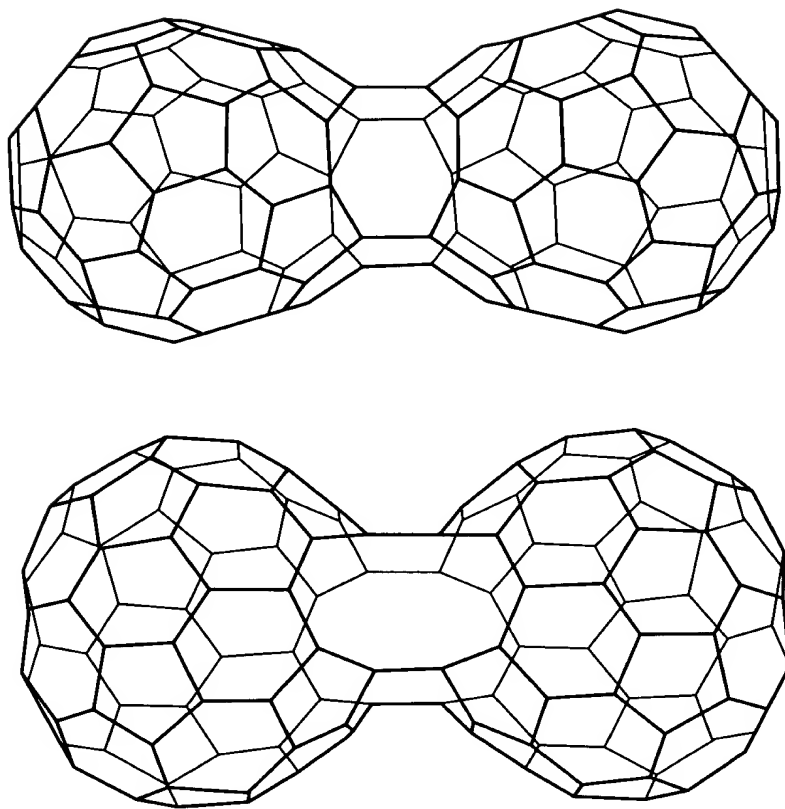
C₁₃₆ (g)

FIG.31



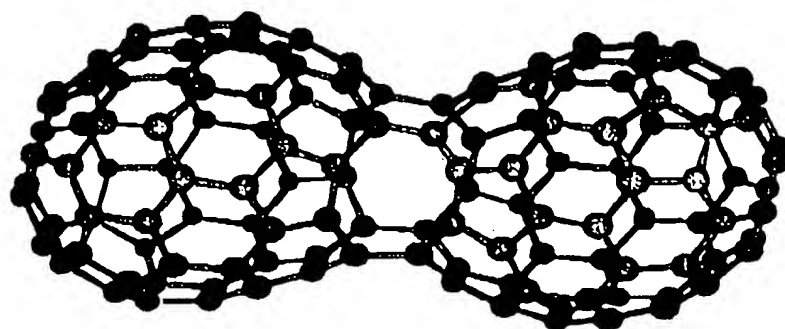
C₁₃₆ (h)

FIG.32



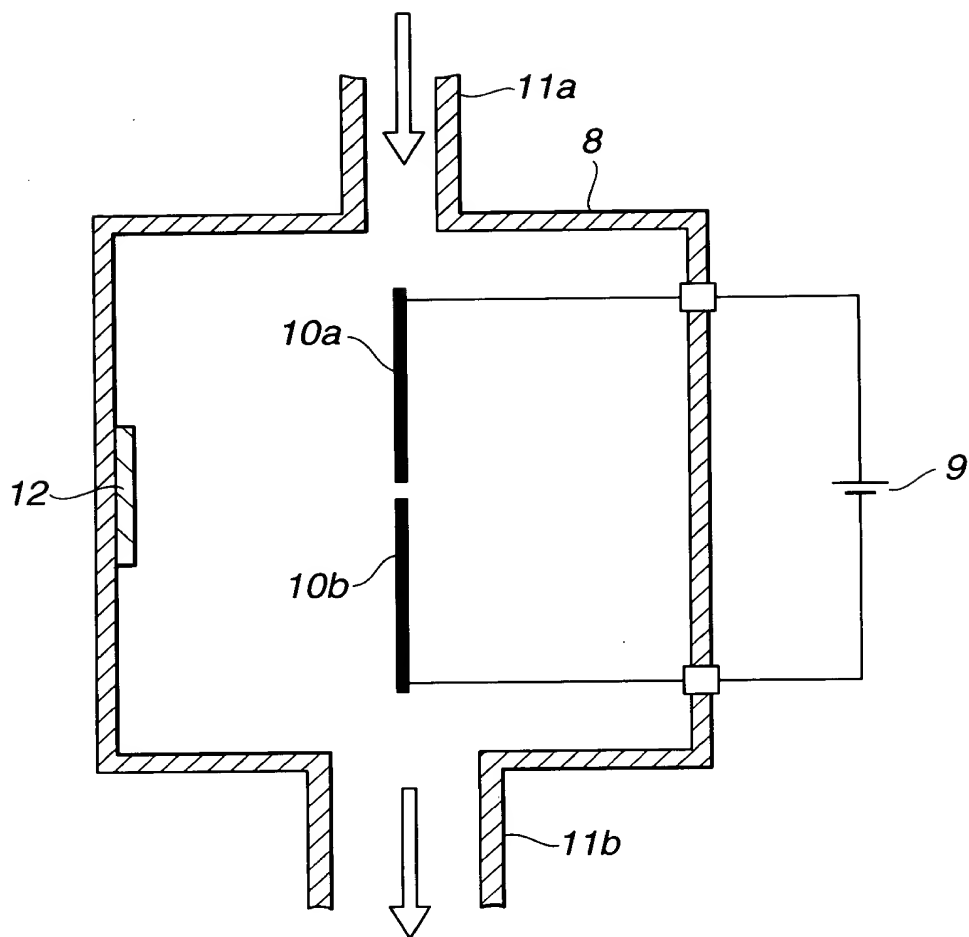
C₁₃₆ (i)

FIG.33



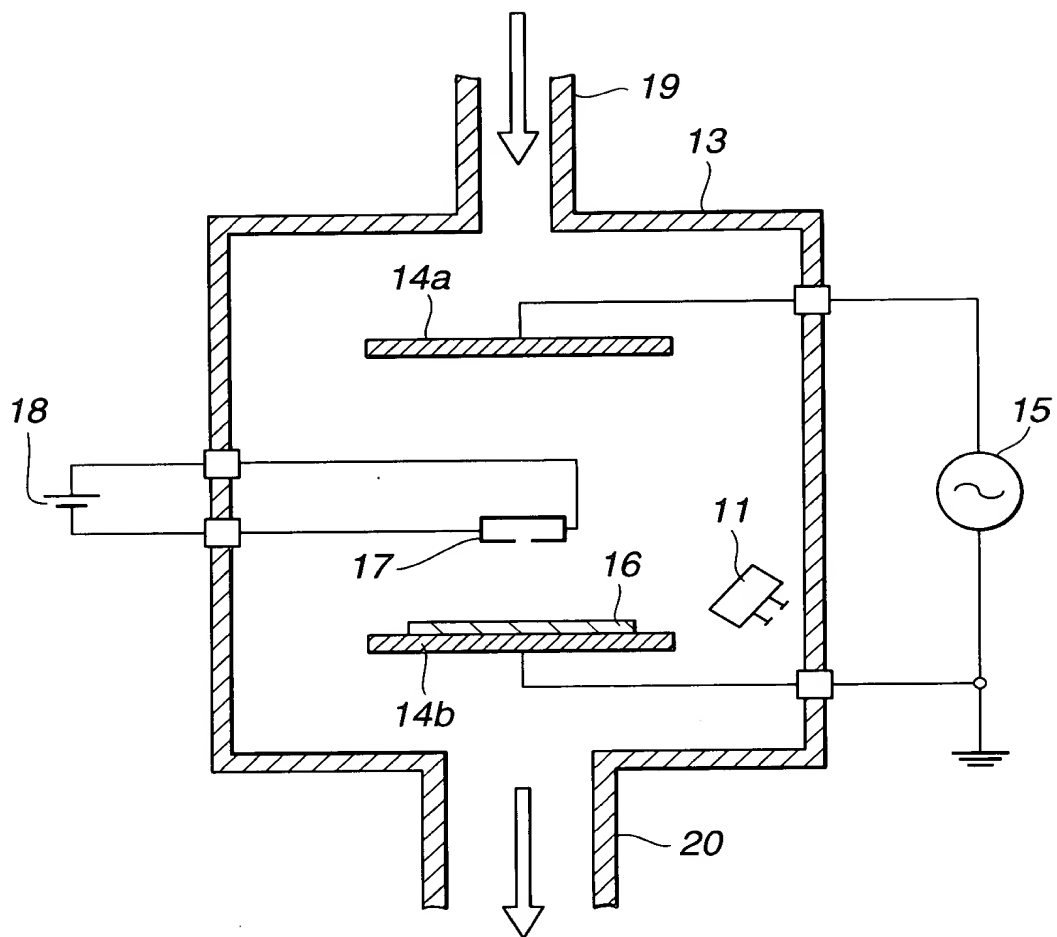
**MORE STABLE C₁₃₆ MOLECULAR
STRUCTURE GENERATED IN
STRUCTURE RELAXATION PROCESS**

FIG.34



**APPARATUS FOR YIELDING
FULLERENE MOLECULES BASED
ON ARC DISCHARGE METHOD**

FIG.35



**VACUUM DEPOSITION HIGH FREQUENCY
PLASMA POLYMERIZATION APPARATUS**

FIG.36

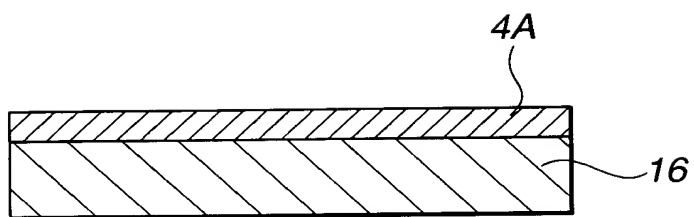


FIG.37A

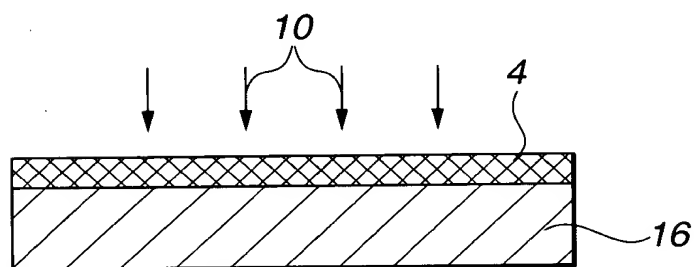
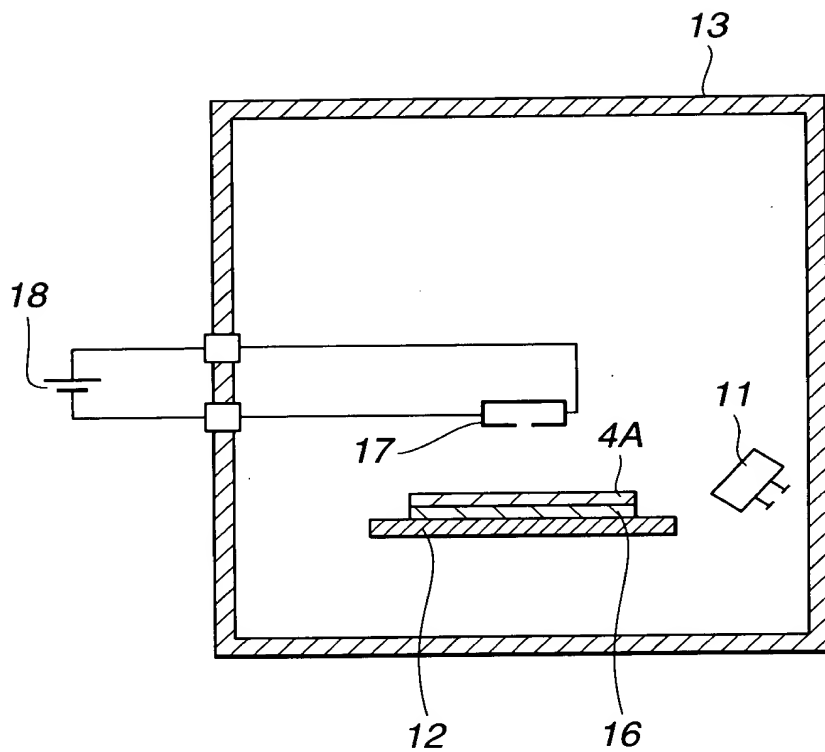
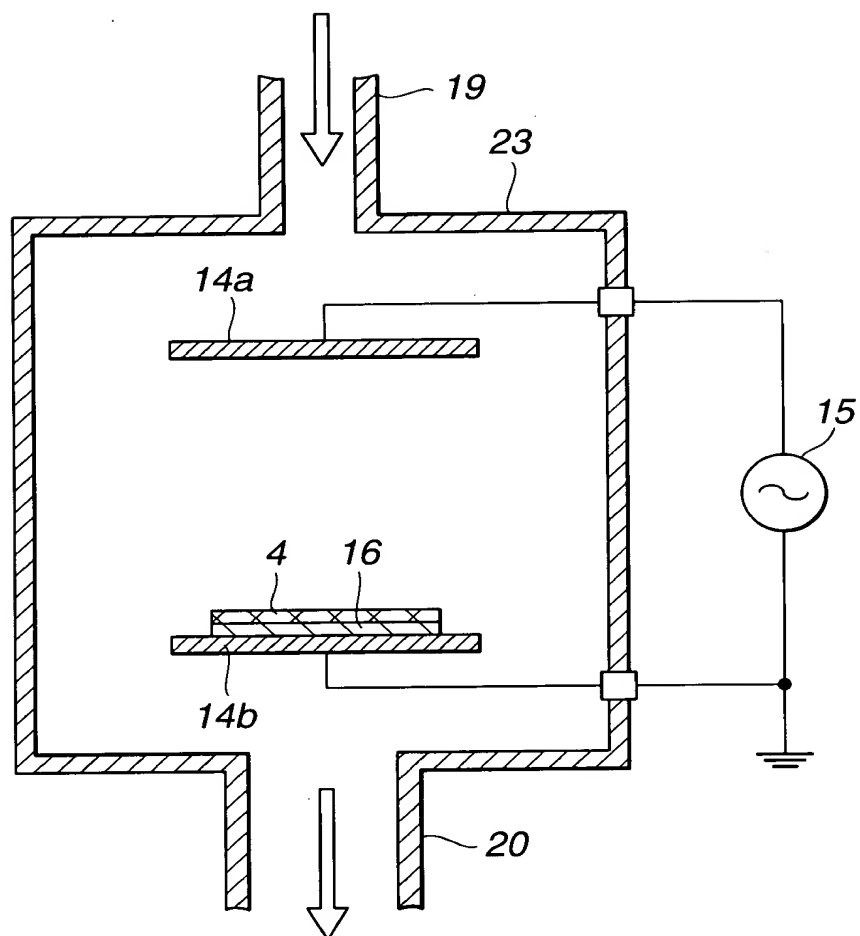


FIG.37B



VACUUM DEPOSITION APPARATUS

FIG.38



**HIGH FREQUENCY PLASMA
POLYMERIZATION APPARATUS**

FIG.39

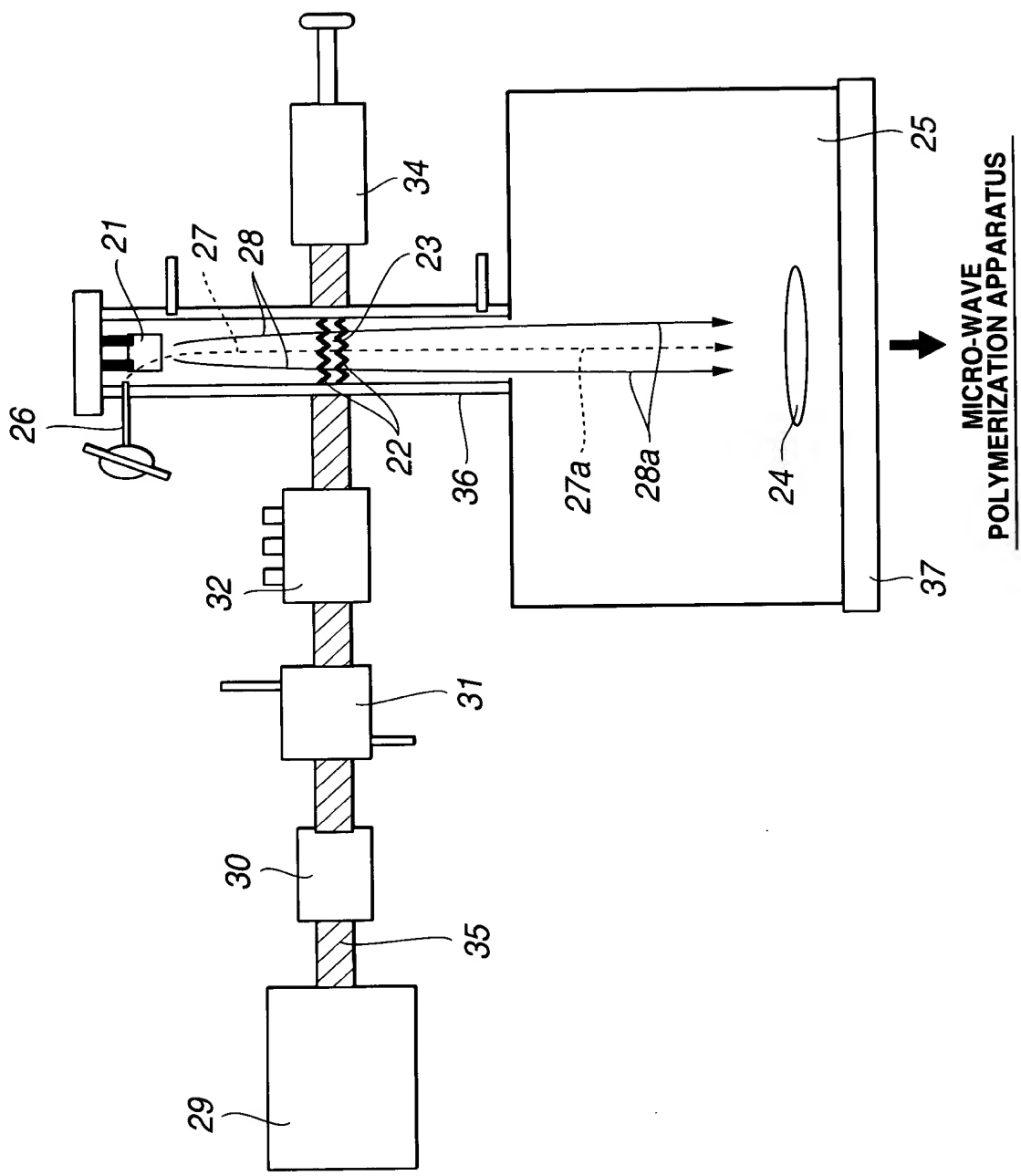
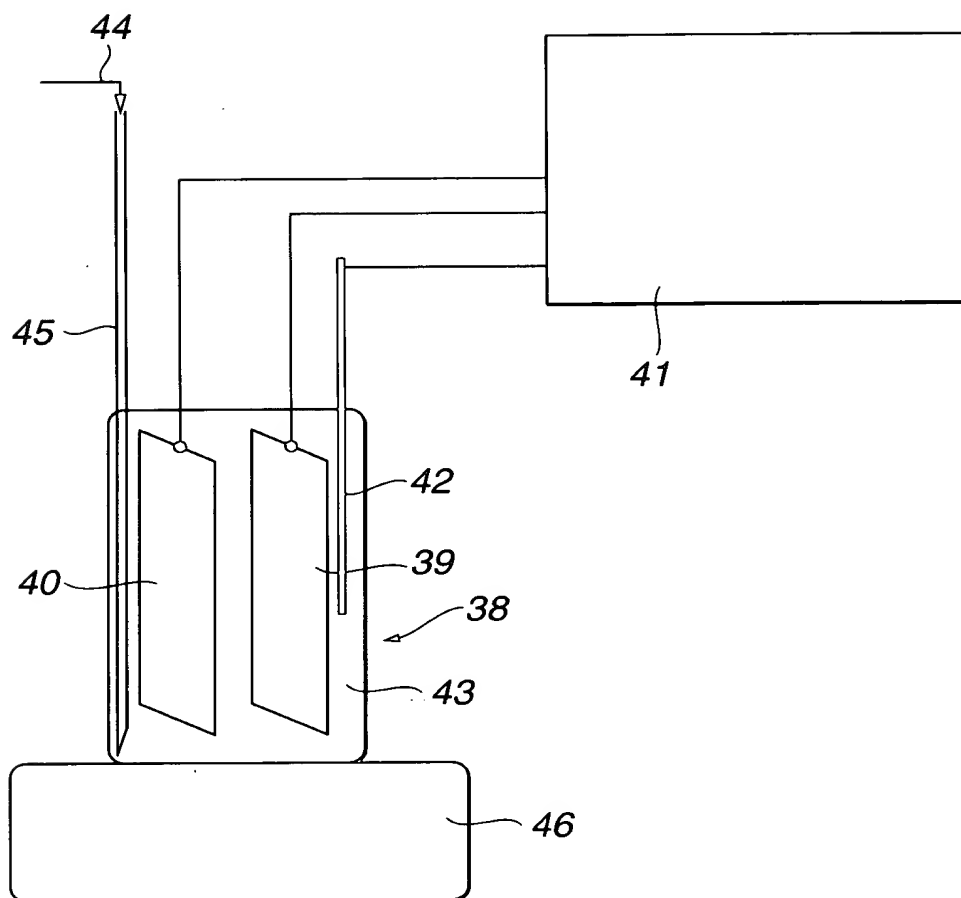


FIG.40



**ELECTROLYTIC
POLYMERIZATION APPARATUS**

FIG.41

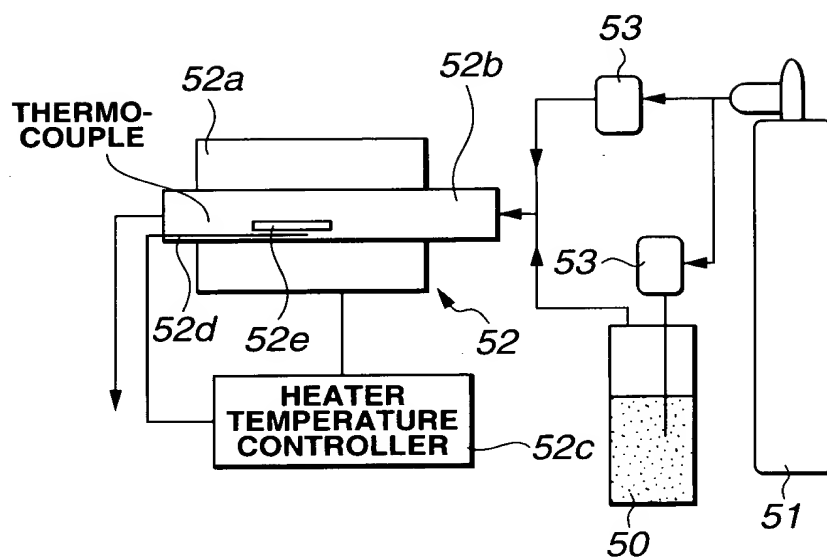


FIG.42

LASER POWER 50W

sp³ CARBON

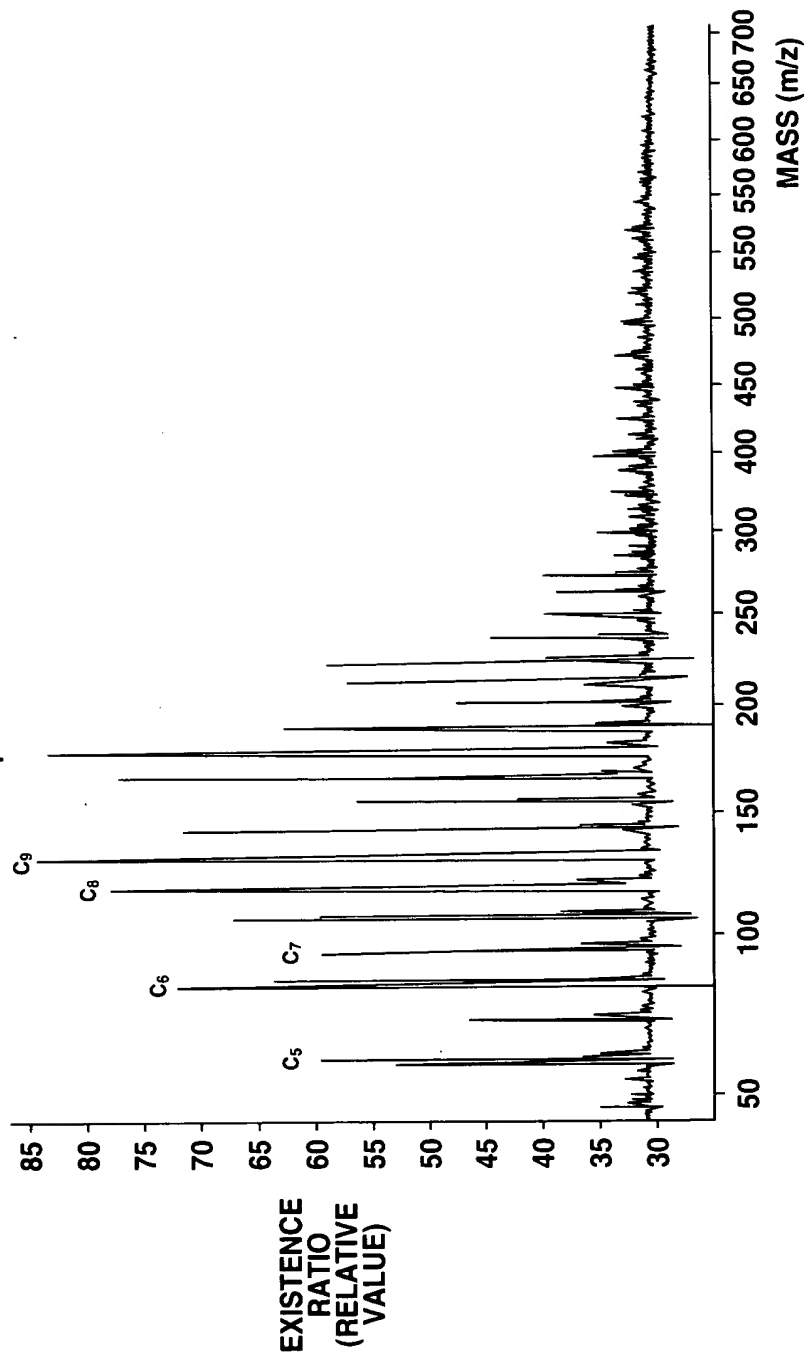


FIG.44

LASER POWER 77W

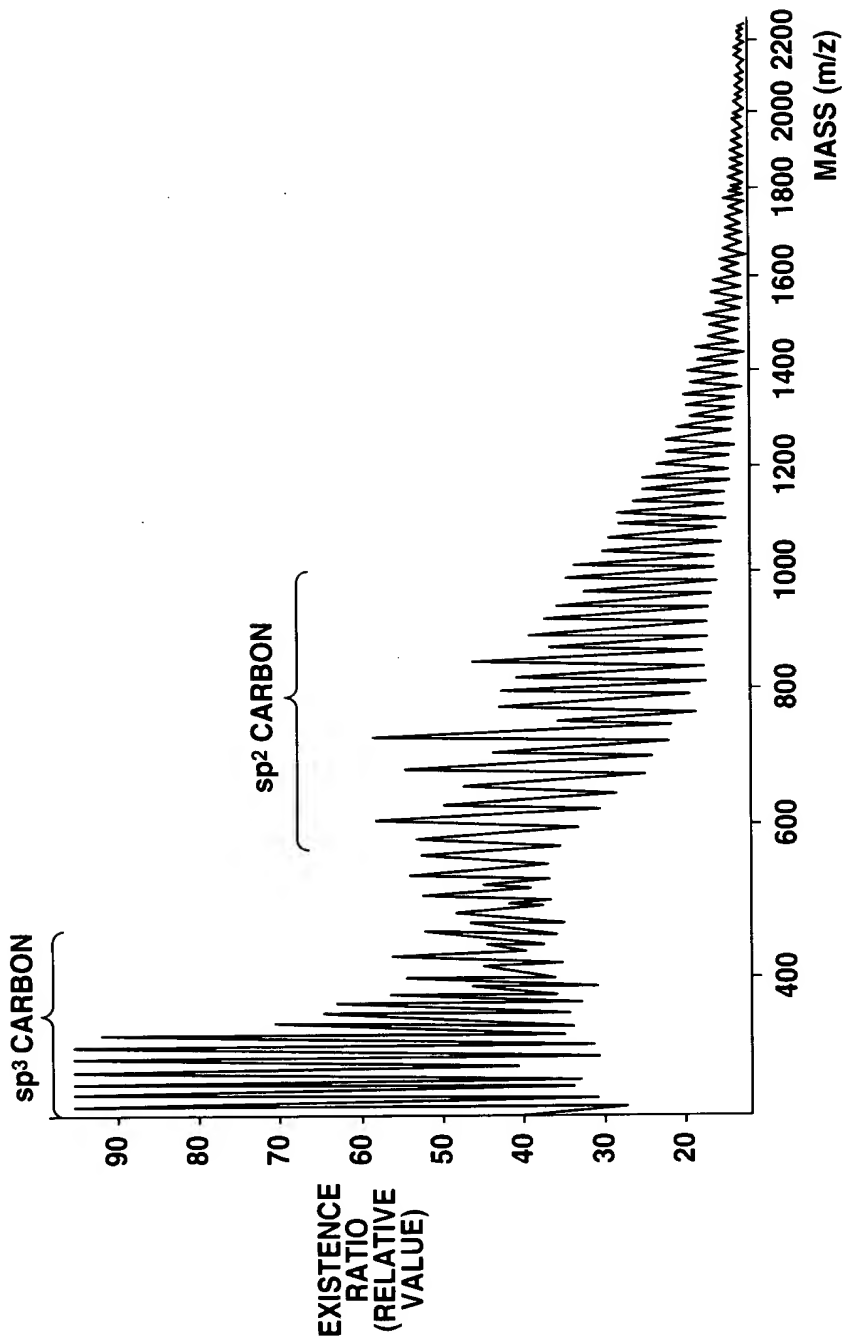


FIG.45

ON QUARTZ GLASS

INTENSITY [COUNTS]

$2\theta [^\circ]$

The figure is a line graph representing an X-ray diffraction (XRD) pattern. The y-axis is labeled 'INTENSITY [COUNTS]' and ranges from 0 to 60 with major tick marks at 0, 20, 40, and 60. The x-axis is labeled ' $2\theta [^\circ]$ ' and ranges from 0 to 50.000 with major tick marks at 0, 10.000, 20.000, 30.000, 40.000, and 50.000. The plot shows a noisy baseline that starts at approximately 15 counts at $2\theta = 0^\circ$, rises to a broad peak of about 50 counts between $2\theta = 20^\circ$ and 30° , and then gradually declines back to about 15 counts at $2\theta = 50^\circ$. There are no sharp, well-defined diffraction peaks, which is characteristic of an amorphous material like quartz glass.

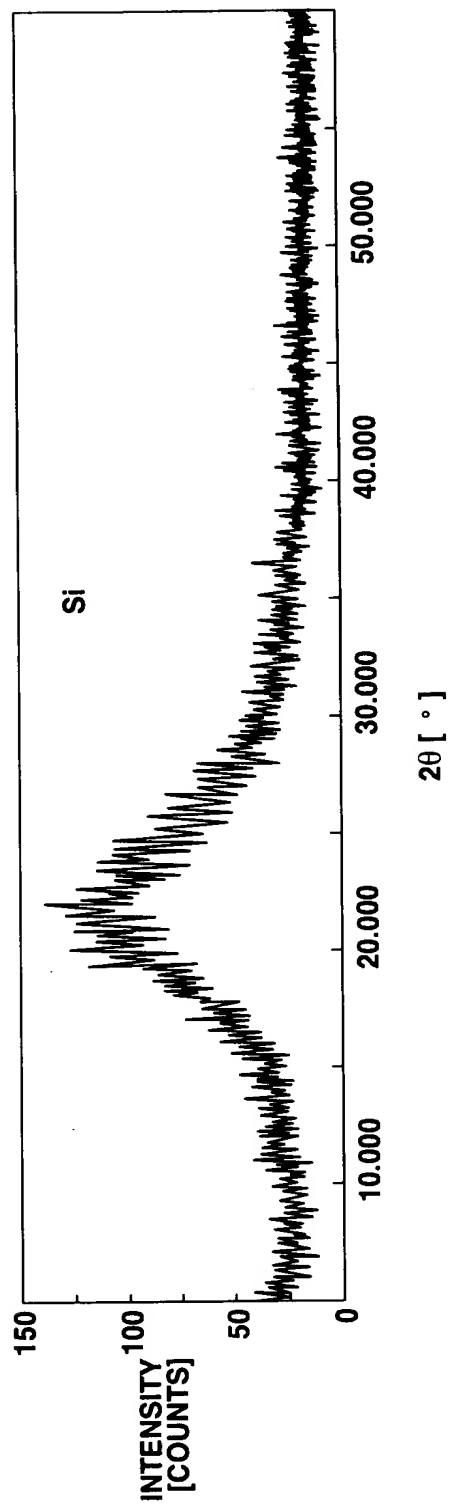


FIG. 46

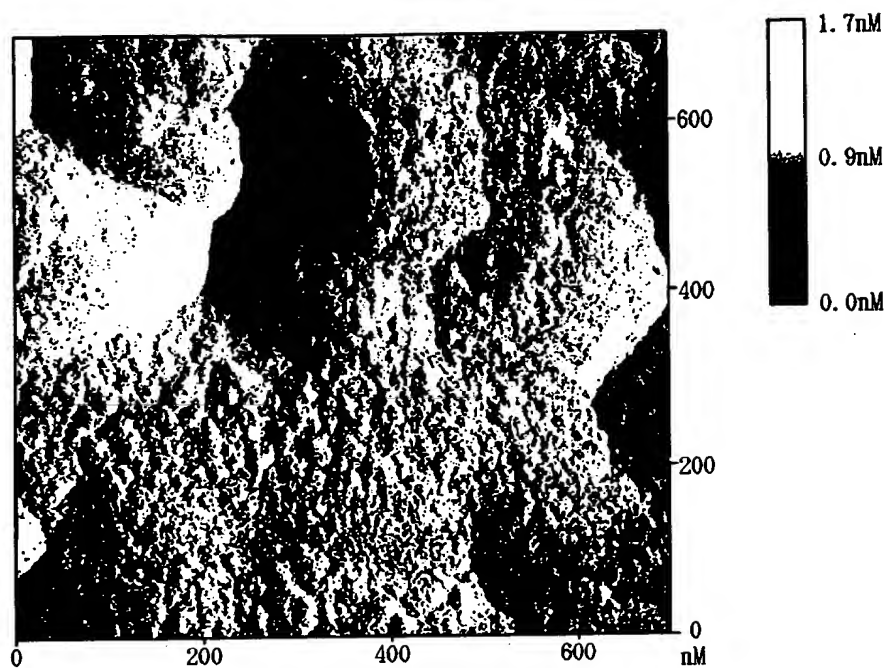


FIG.48

FIG. 49

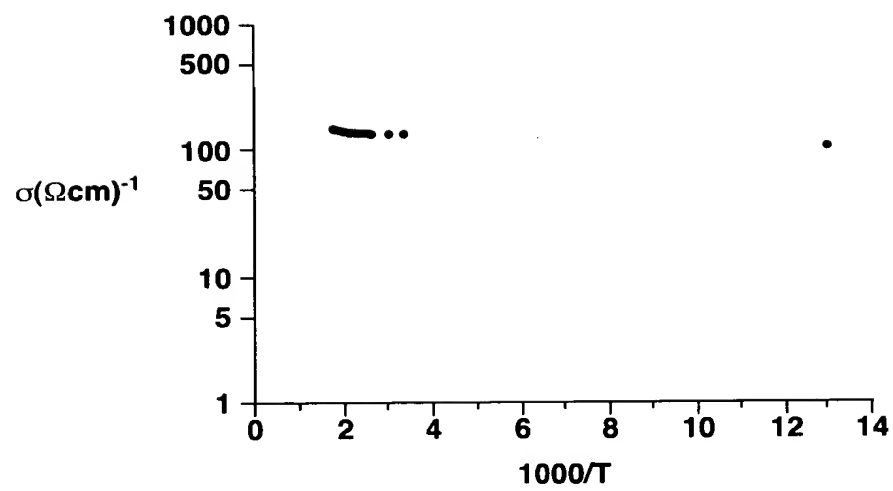


FIG.51

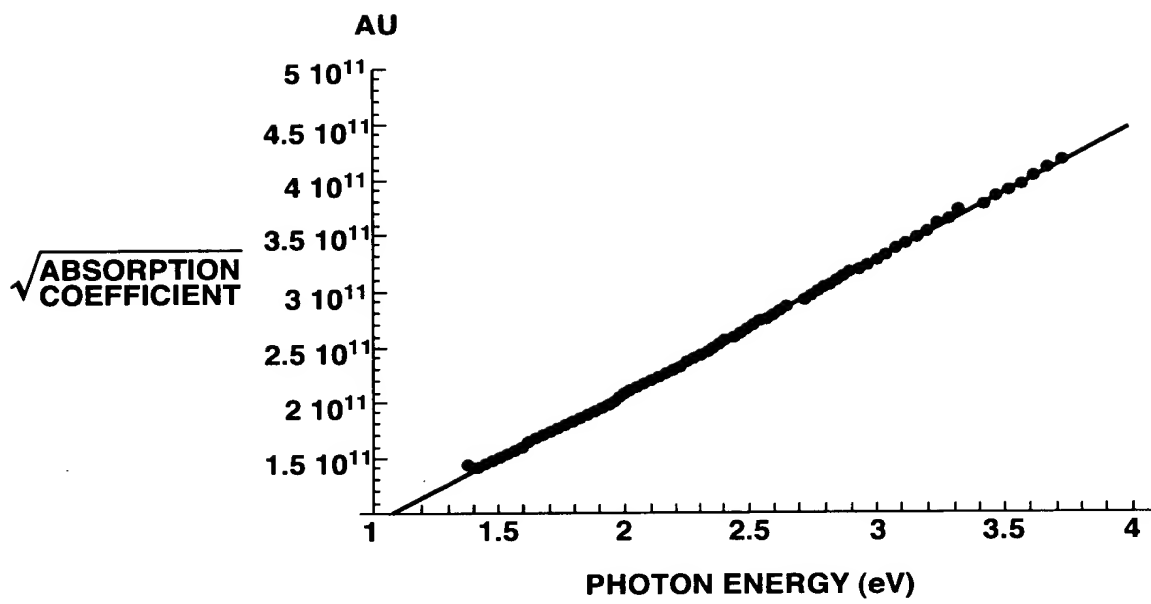


FIG.52

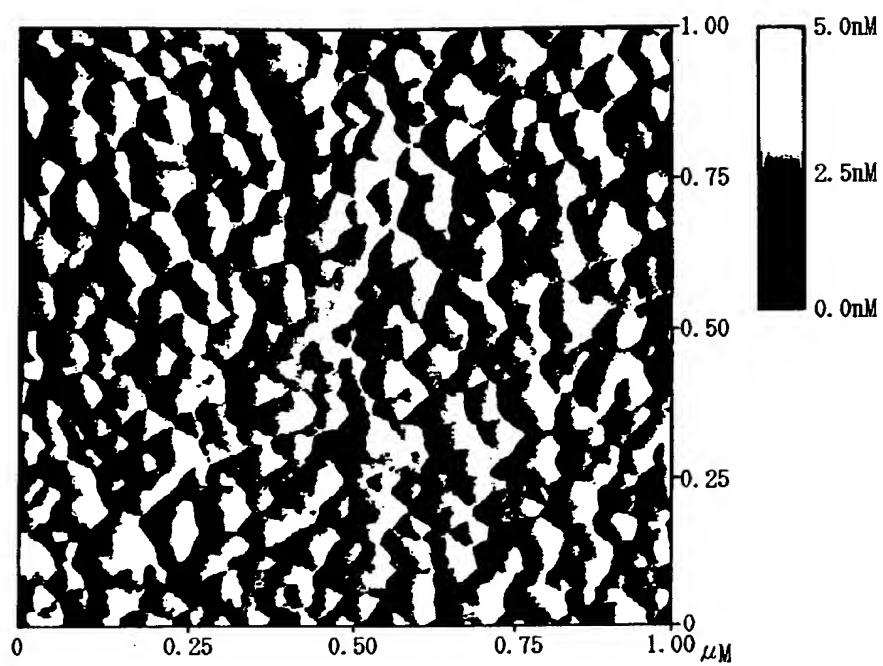


FIG.53

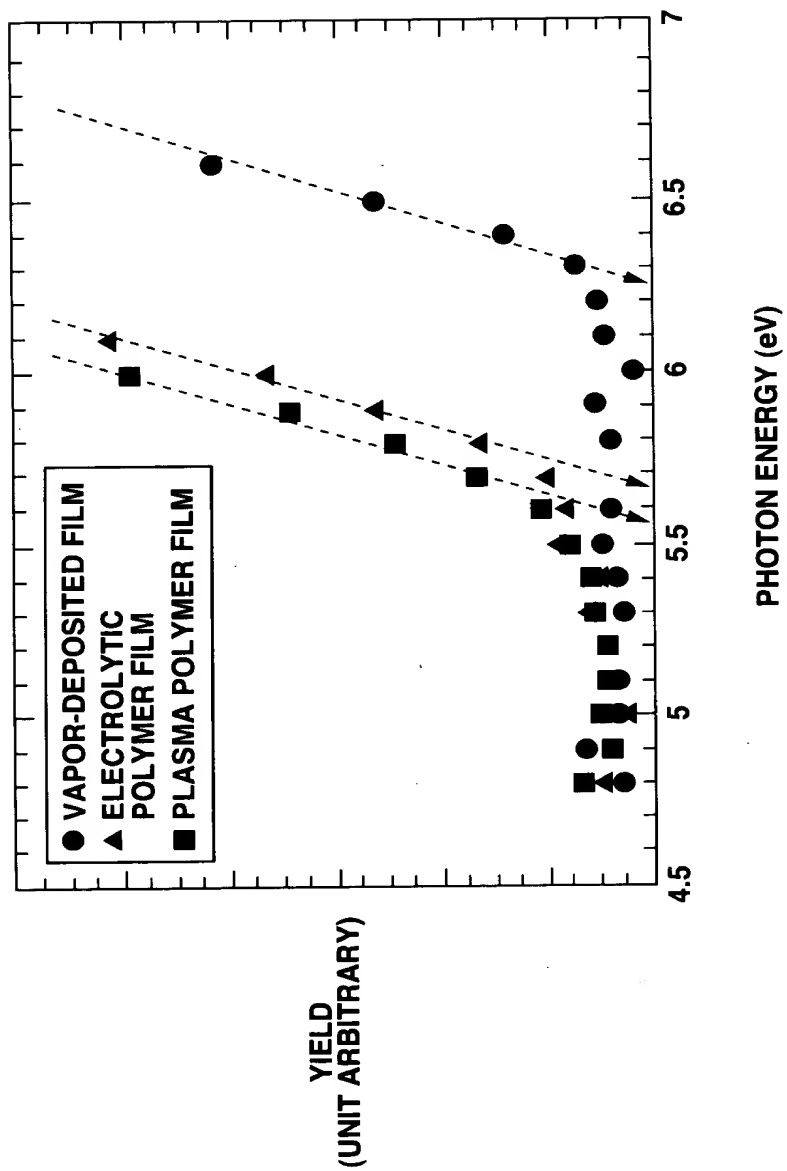


FIG.54

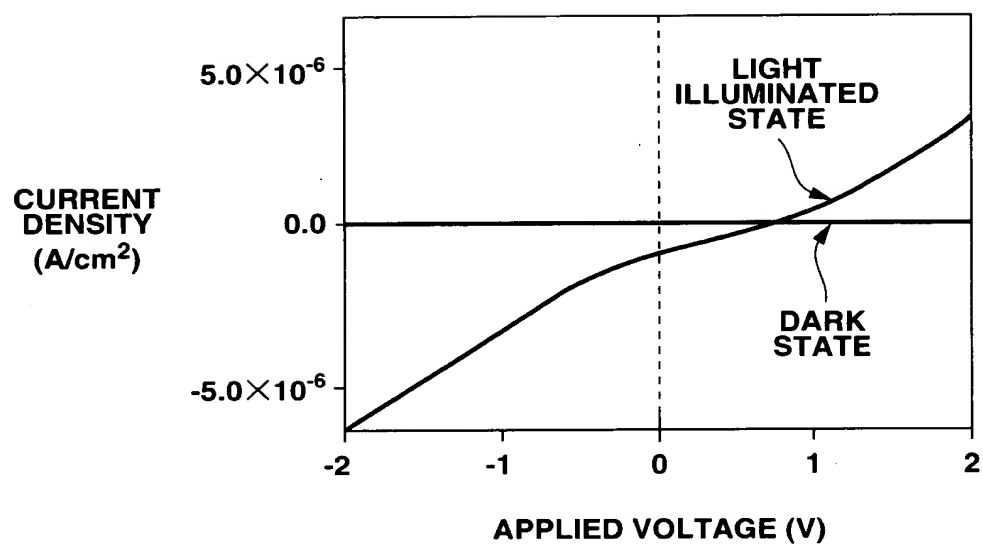


FIG.55

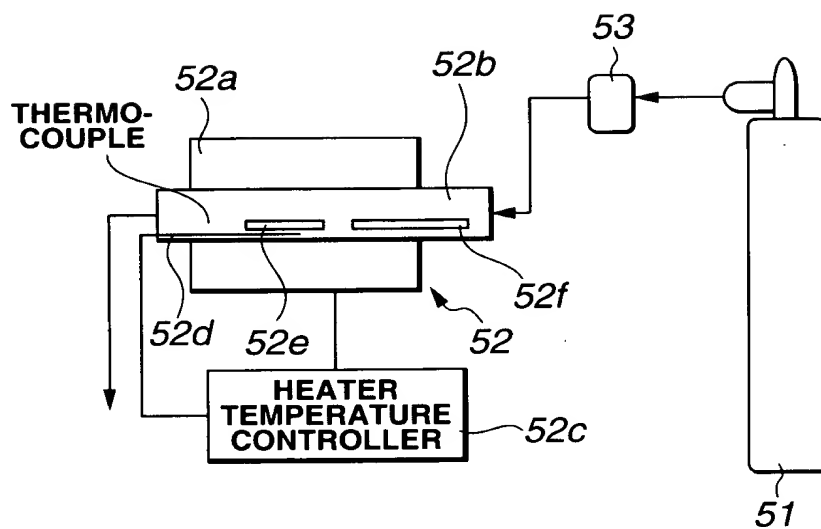


FIG.56

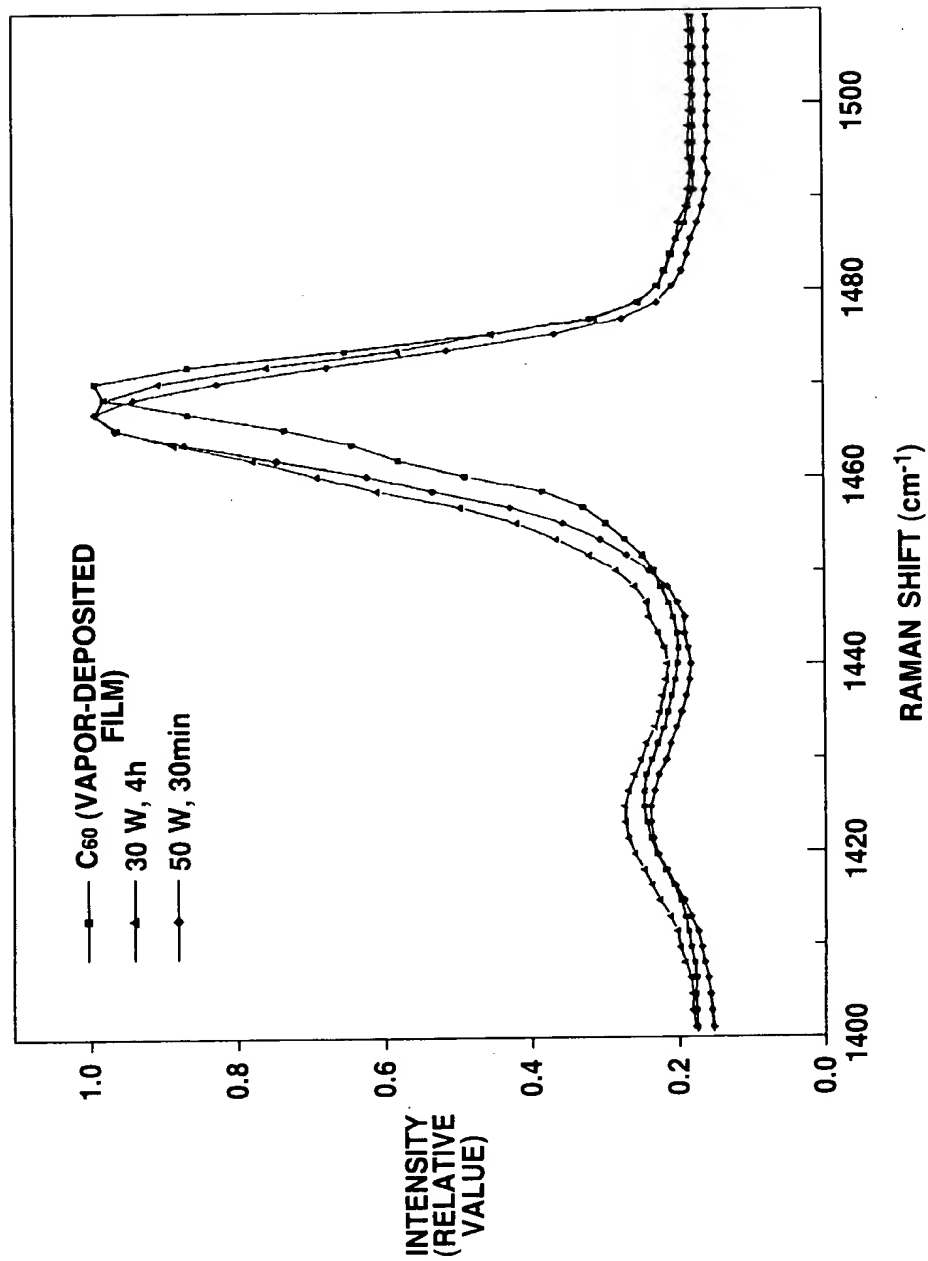


FIG.57

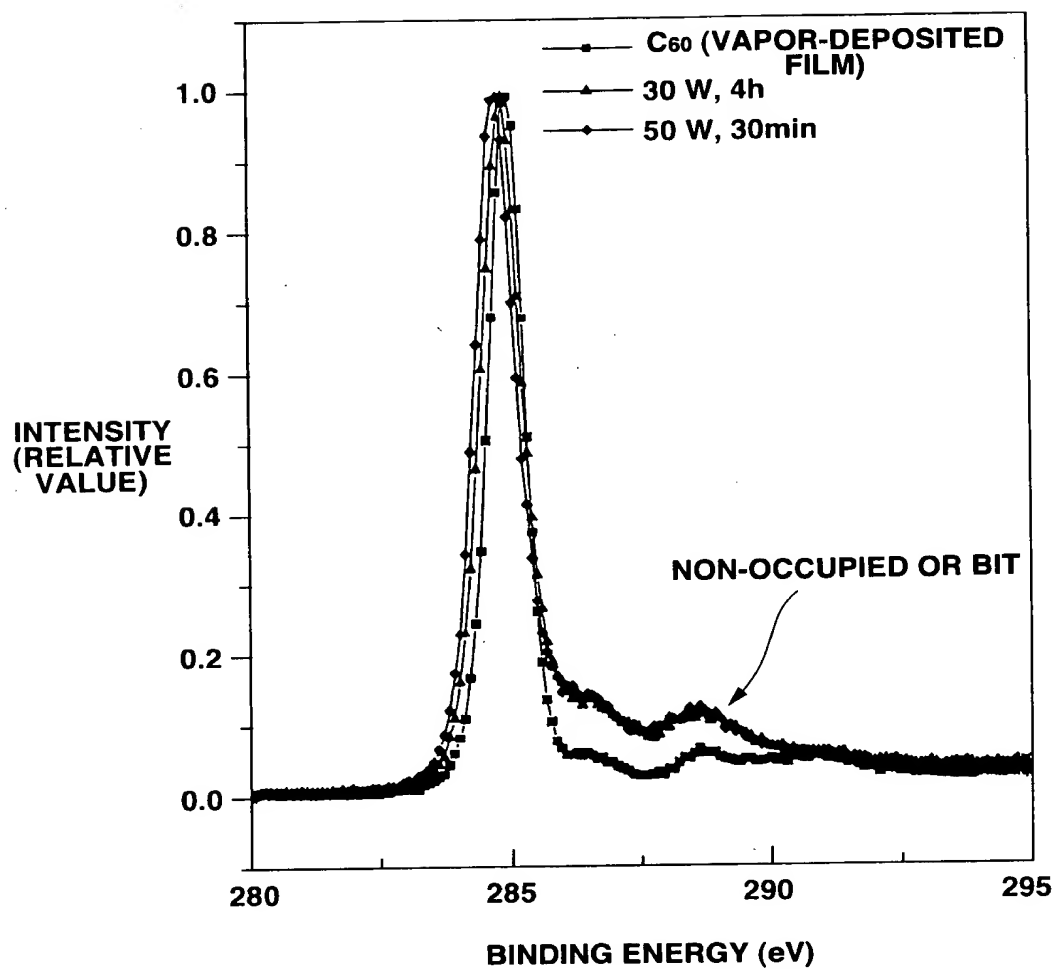


FIG.58

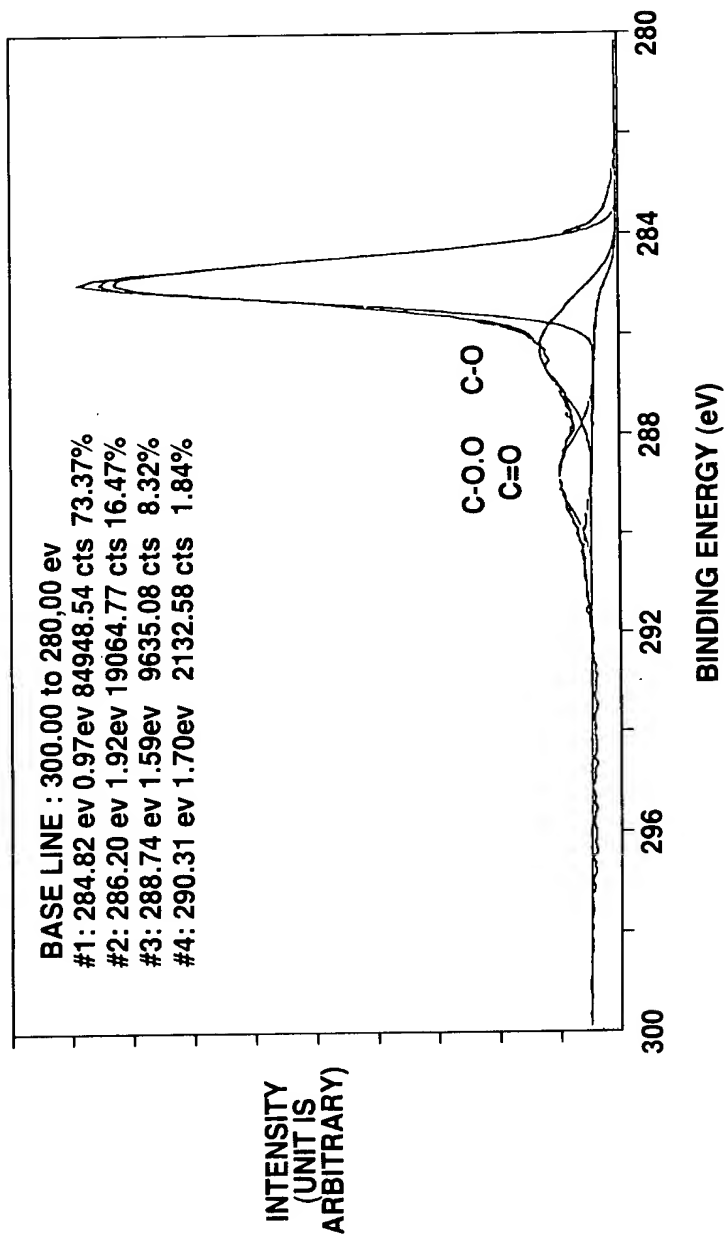


FIG.59

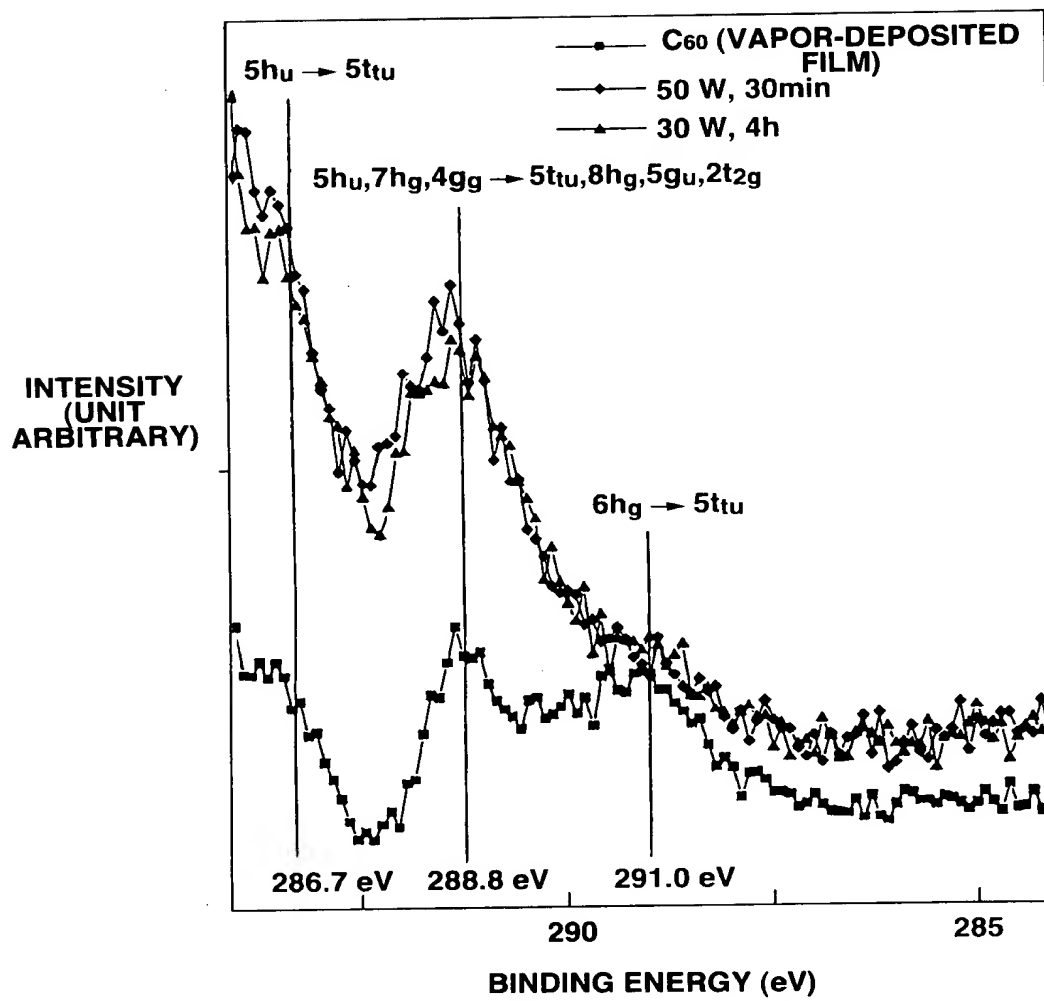


FIG.60

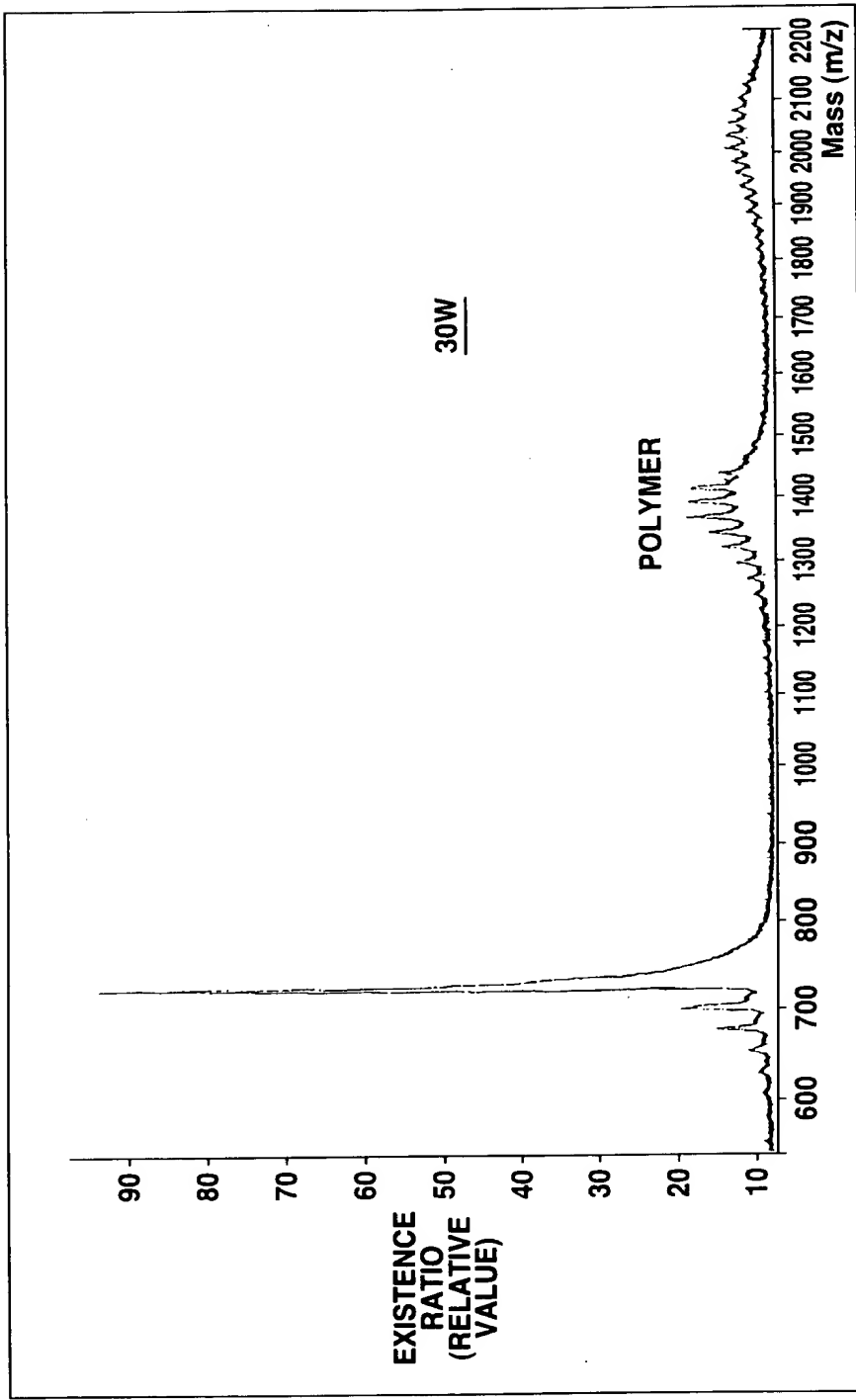


FIG.62

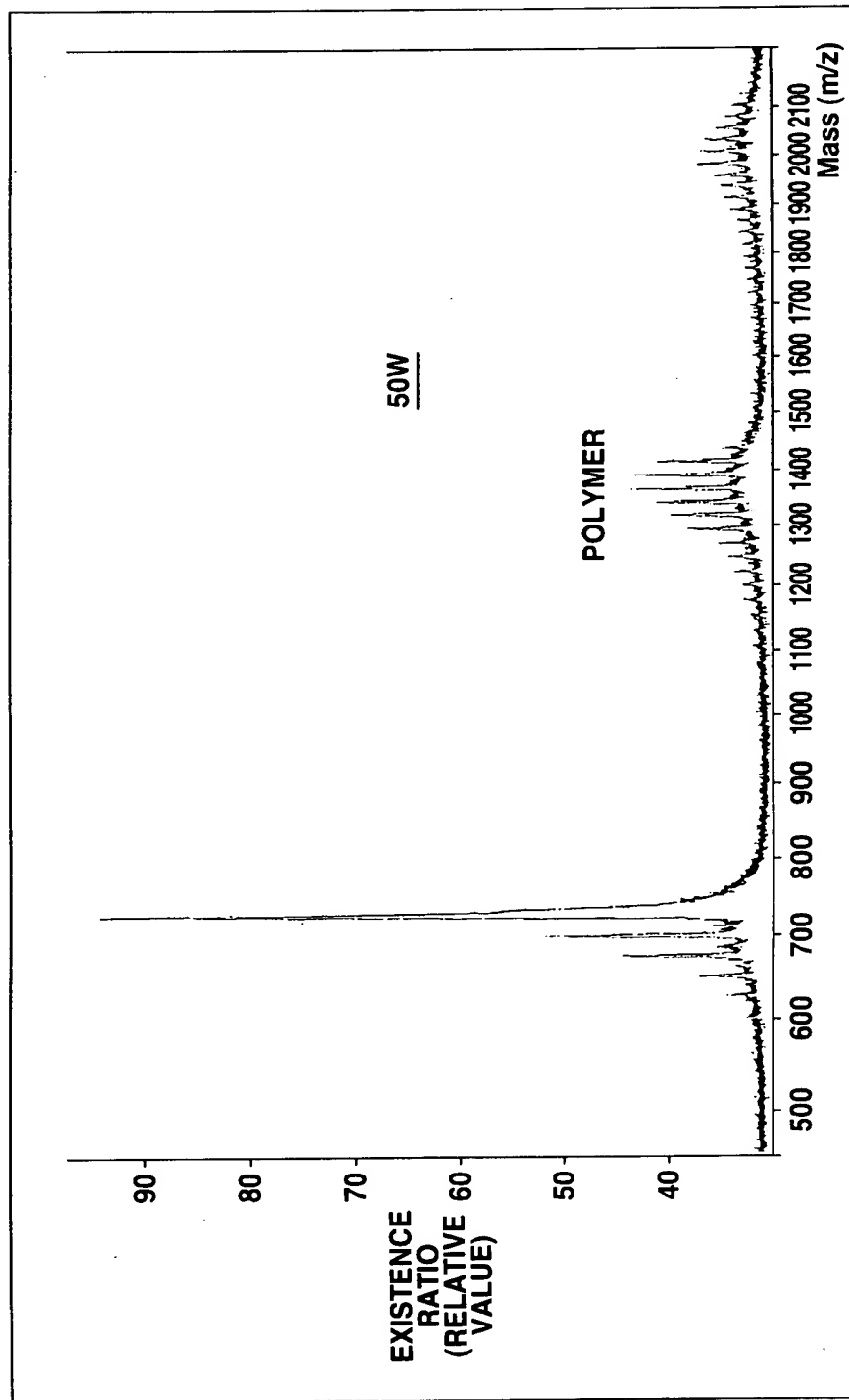


FIG.63